

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121324\  
 Data File : VW031230.D  
 Acq On : 13 Dec 2024 11:03  
 Operator : SY/MD  
 Sample : VSTD100  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 14 00:09:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Dec 14 00:07:16 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.837  | 114  | 773391   | 25.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117  | 667051   | 25.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.550 | 152  | 310021   | 25.000  | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 4) Vinyl Chloride-d3          | 2.357  | 65   | 1148485  | 98.696  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.893  | 69   | 831249   | 97.118  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.015  | 65   | 561998   | 101.815 | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 7.094  | 46   | 440628   | 200.962 | ug/L   | 0.00     |
| 24) Chloroform-d              | 7.648  | 84   | 2136265  | 100.814 | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65   | 1060669  | 99.668  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.270  | 84   | 4196958  | 98.165  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67   | 1249189  | 100.252 | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.319 | 98   | 3931338  | 98.842  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79   | 592422   | 103.111 | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.922 | 63   | 352512   | 210.365 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84   | 795782   | 101.716 | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152  | 1151570  | 100.056 | ug/L   | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.009  | 85   | 761297   | 108.918 | ug/L   | 98       |
| 3) Chloromethane              | 2.223  | 50   | 796986   | 101.497 | ug/L   | 98       |
| 5) Vinyl chloride             | 2.369  | 62   | 1017221  | 93.476  | ug/L   | 99       |
| 6) Bromomethane               | 2.789  | 94   | 629055   | 94.027  | ug/L   | 94       |
| 8) Chloroethane               | 2.930  | 64   | 605458   | 93.557  | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.265  | 101  | 1122850  | 96.858  | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101  | 890401   | 95.014  | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 4.039  | 96   | 912106   | 96.202  | ug/L   | 95       |
| 13) Acetone                   | 4.173  | 43   | 554070   | 175.055 | ug/L # | 100      |
| 14) Carbon disulfide          | 4.381  | 76   | 2965655  | 95.911  | ug/L   | 100      |
| 15) Methyl Acetate            | 4.685  | 43   | 328108   | 95.991  | ug/L   | 100      |
| 16) Methylene chloride        | 4.911  | 84   | 888587   | 91.237  | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96   | 985367   | 96.417  | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73   | 1612174  | 94.360  | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63   | 1839292  | 96.310  | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96   | 1068403  | 96.624  | ug/L   | 96       |
| 22) 2-Butanone                | 7.185  | 43   | 651218   | 179.588 | ug/L   | 98       |
| 23) Bromochloromethane        | 7.520  | 128  | 436048   | 98.880  | ug/L   | 91       |
| 25) Chloroform                | 7.673  | 83   | 1757887  | 93.265  | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 1134871  | 95.773  | ug/L   | 98       |
| 29) Cyclohexane               | 7.953  | 56   | 1668846  | 92.252  | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 1596015  | 92.570  | ug/L   | 100      |
| 31) Carbon tetrachloride      | 8.069  | 117  | 1411690  | 91.905  | ug/L   | 97       |
| 33) Benzene                   | 8.325  | 78   | 3753520  | 91.056  | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 1086347  | 93.345  | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.331  | 83   | 1854189  | 91.486  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 958519   | 93.209  | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 1277862  | 95.584  | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 1663067  | 95.703  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 1001881  | 183.634 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 4152304  | 92.519  | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 10.599 | 75   | 1353363  | 95.381  | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121324\  
 Data File : VW031230.D  
 Acq On : 13 Dec 2024 11:03  
 Operator : SY/MD  
 Sample : VSTD100  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 14 00:09:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Dec 14 00:07:16 2024  
 Response via : Initial Calibration

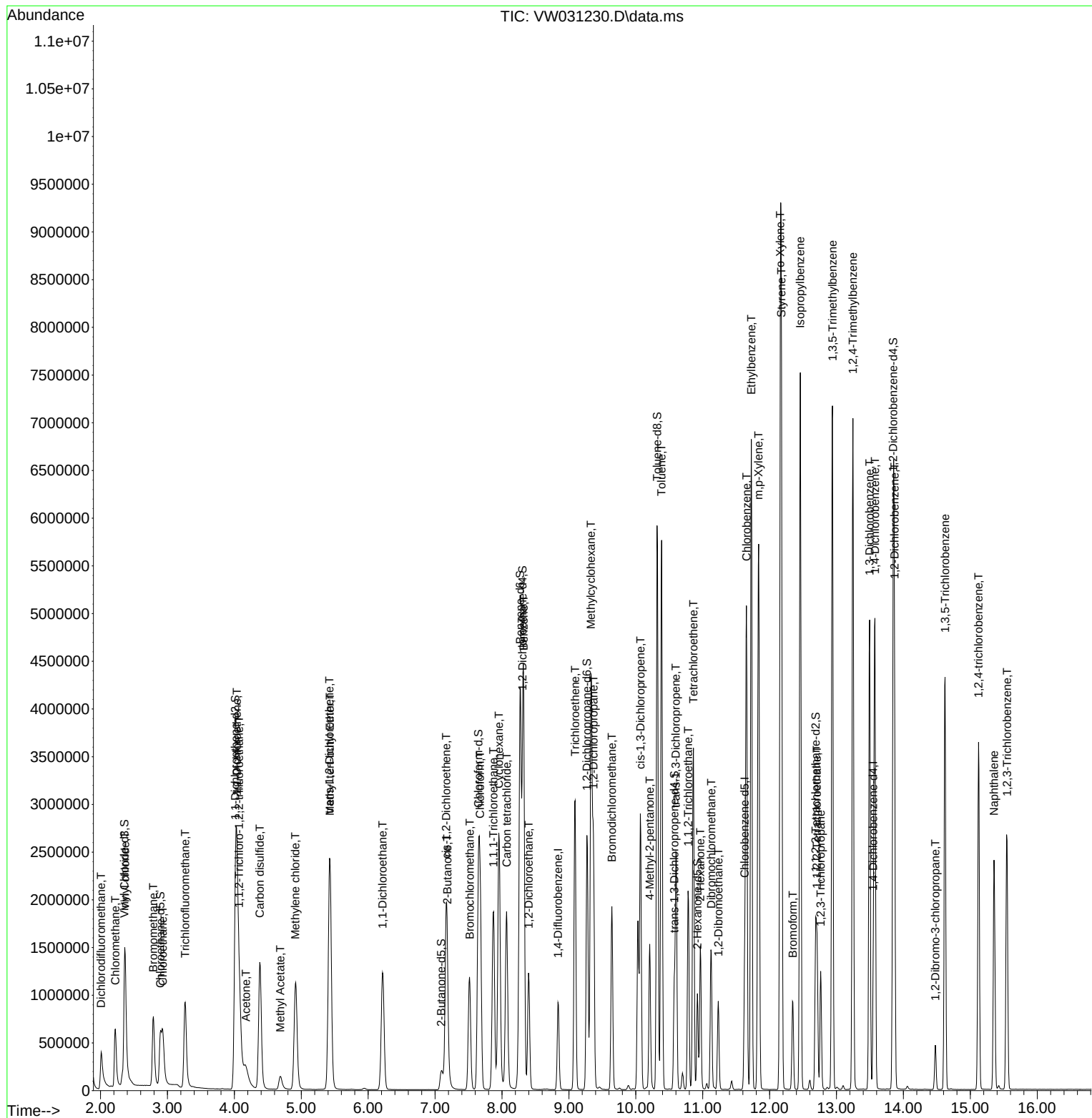
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 654259   | 95.658  | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 793540   | 93.087  | ug/L  | 98       |
| 48) 2-Hexanone                | 10.965 | 43   | 929978   | 200.419 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 781750   | 96.417  | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 624026   | 96.305  | ug/L  | 96       |
| 51) Chlorobenzene             | 11.654 | 112  | 2673471  | 95.008  | ug/L  | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 4806136  | 92.398  | ug/L  | 94       |
| 53) m,p-Xylene                | 11.837 | 106  | 1832773  | 92.557  | ug/L  | 99       |
| 54) o-Xylene                  | 12.160 | 106  | 1735802  | 93.012  | ug/L  | 94       |
| 55) Styrene                   | 12.178 | 104  | 2876957  | 92.679  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 688862   | 93.388  | ug/L  | 94       |
| 59) Bromoform                 | 12.349 | 173  | 421892   | 96.869  | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 4749568  | 93.617  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 514637   | 97.010  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 3954630  | 91.941  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 3814319  | 91.750  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 1958663  | 95.289  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 1915371  | 94.047  | ug/L  | 91       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 1648899  | 93.102  | ug/L  | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 128686   | 95.589  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 1294365  | 89.912  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 1106932  | 92.435  | ug/L  | 98       |
| 71) Naphthalene               | 15.354 | 128  | 2055642  | 97.911  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 908057   | 94.115  | ug/L  | 98       |

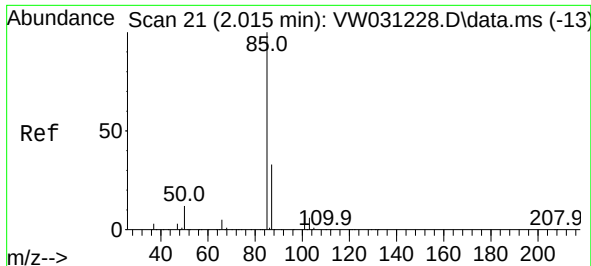
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121324\  
Data File : VW031230.D  
Acq On : 13 Dec 2024 11:03  
Operator : SY/MD  
Sample : VSTD100  
Misc : 5.00g/10mL/MSVOA\_W/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Dec 14 00:09:58 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
Quant Title : SFAM01.0  
QLast Update : Sat Dec 14 00:07:16 2024  
Response via : Initial Calibration

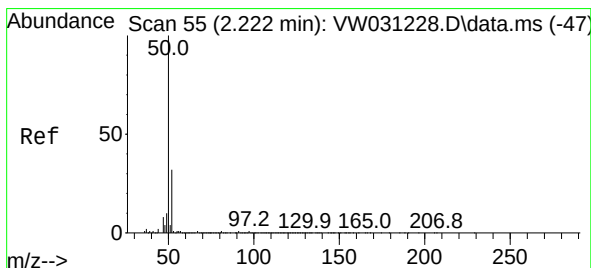
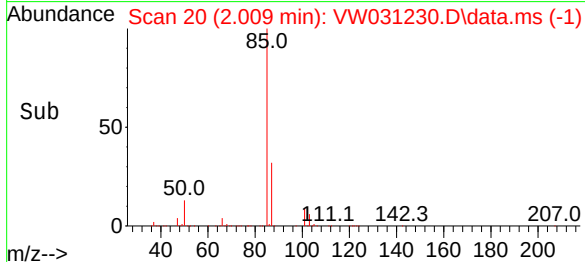
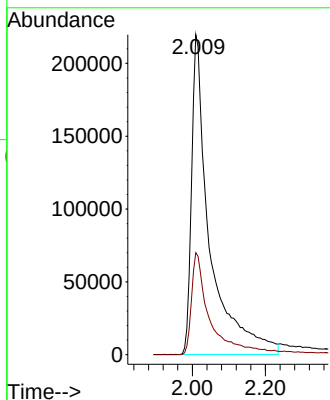
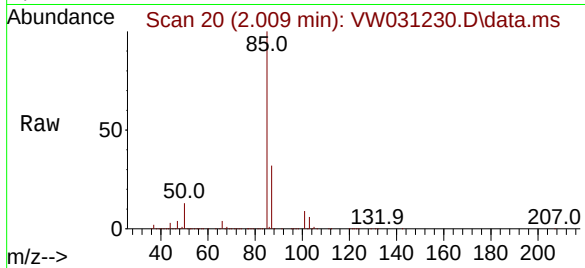




#2  
Dichlorodifluoromethane  
Concen: 108.918 ug/L  
RT: 2.009 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

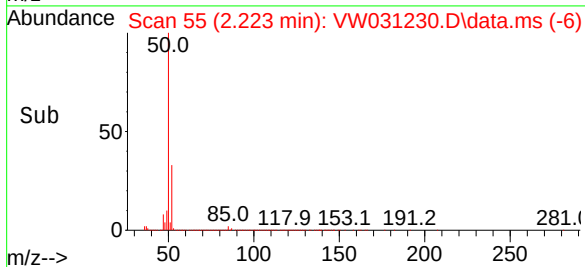
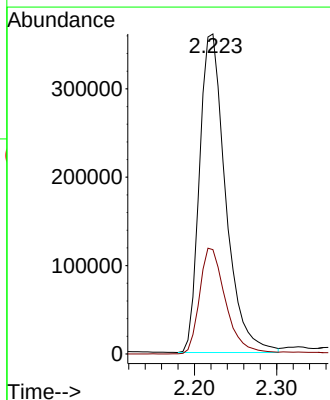
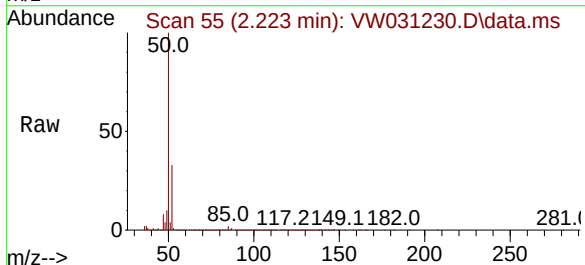
Instrument :  
MSVOA\_W  
ClientSampleId :

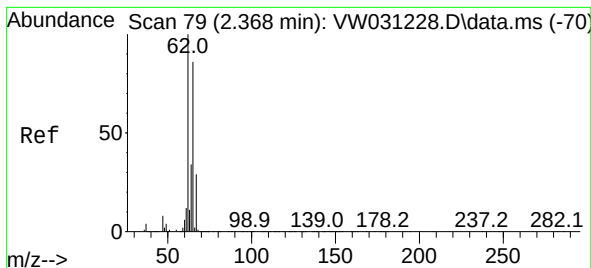
Tgt Ion: 85 Resp: 761297  
Ion Ratio Lower Upper  
85 100  
87 29.8 24.9 37.3



#3  
Chloromethane  
Concen: 101.497 ug/L  
RT: 2.223 min Scan# 55  
Delta R.T. 0.000 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

Tgt Ion: 50 Resp: 796986  
Ion Ratio Lower Upper  
50 100  
52 32.6 22.0 41.0





#5

Vinyl chloride

Concen: 93.476 ug/L

RT: 2.369 min Scan# 79

Delta R.T. 0.000 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

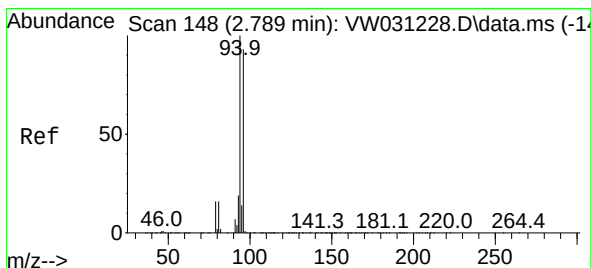
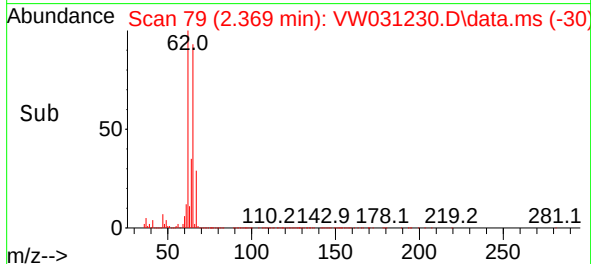
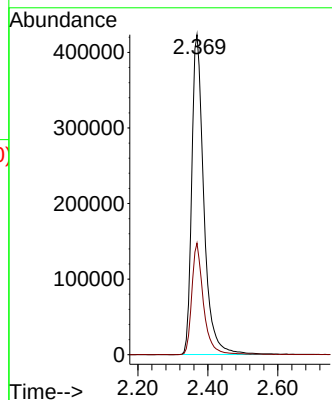
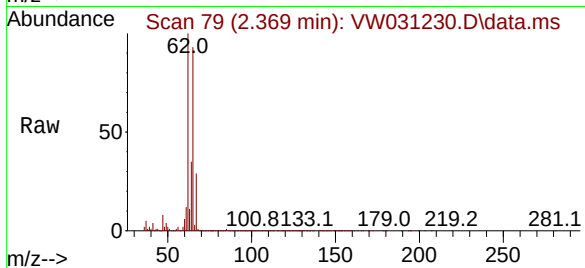
Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 62 Resp: 1017221

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 64  | 34.9  | 24.1  | 44.8  |



#6

Bromomethane

Concen: 94.027 ug/L

RT: 2.789 min Scan# 148

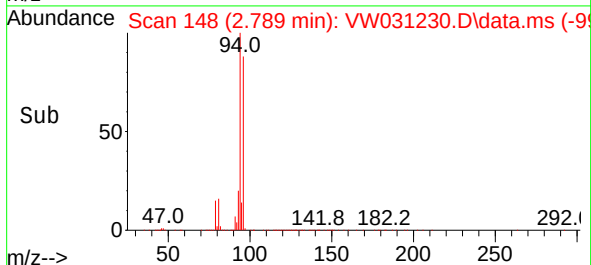
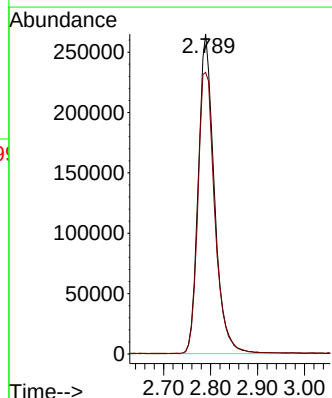
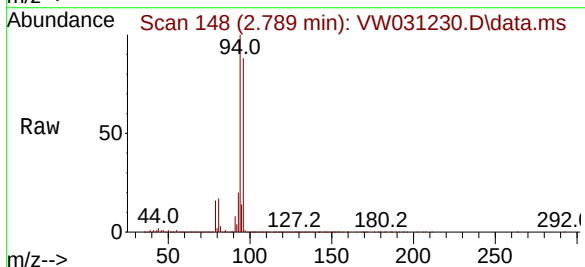
Delta R.T. 0.000 min

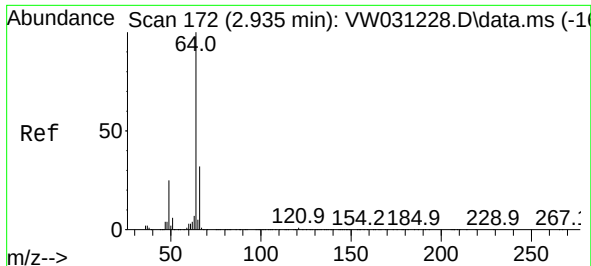
Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

Tgt Ion: 94 Resp: 629055

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 96  | 88.0  | 65.6  | 121.8 |

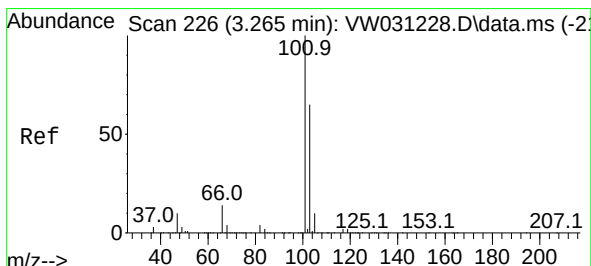
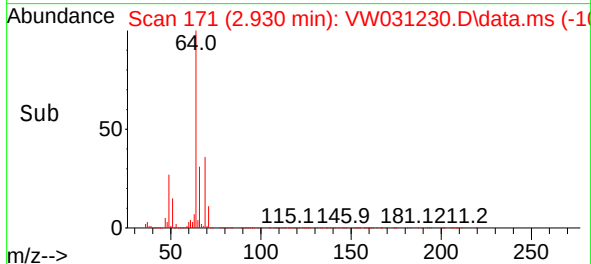
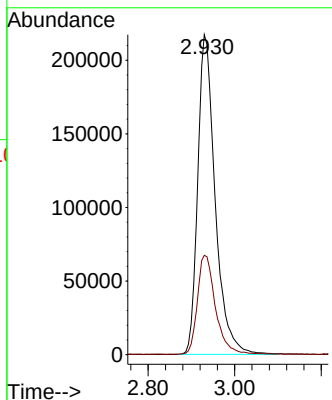
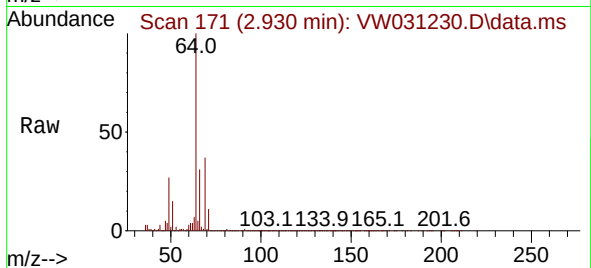




#8  
Chloroethane  
Concen: 93.557 ug/L  
RT: 2.930 min Scan# 171  
Delta R.T. -0.006 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

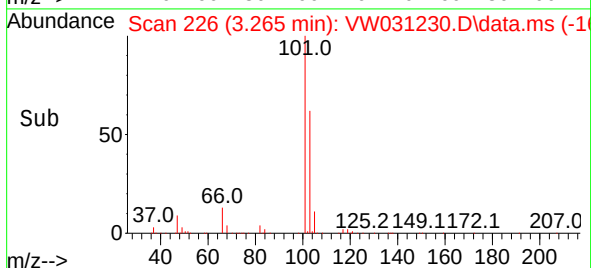
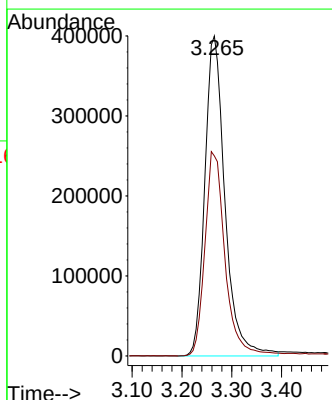
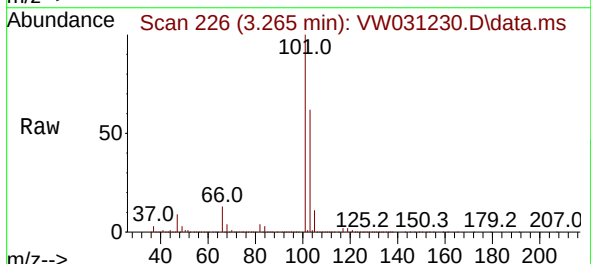
Instrument :  
MSVOA\_W  
ClientSampleId :

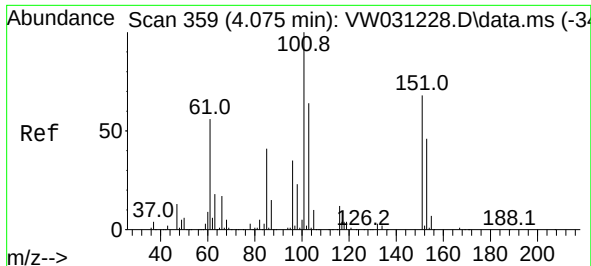
Tgt Ion: 64 Resp: 605458  
Ion Ratio Lower Upper  
64 100  
66 31.0 22.7 42.3



#9  
Trichlorofluoromethane  
Concen: 96.858 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. 0.000 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

Tgt Ion:101 Resp: 1122850  
Ion Ratio Lower Upper  
101 100  
103 63.9 51.6 77.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 95.014 ug/L

RT: 4.070 min Scan# 359

Delta R.T. -0.006 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

Instrument :

MSVOA\_W

ClientSampleId :

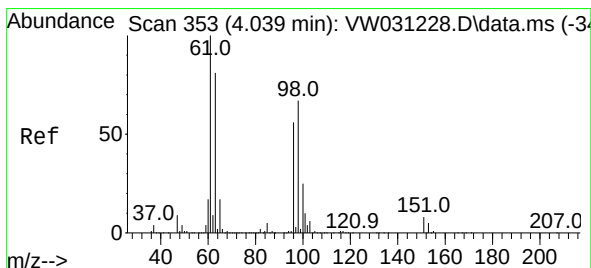
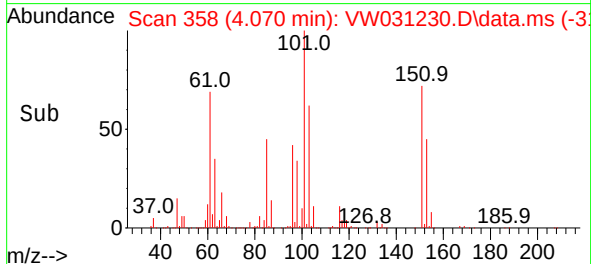
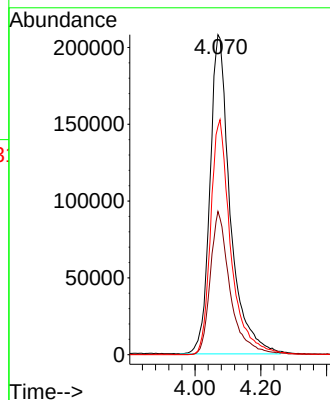
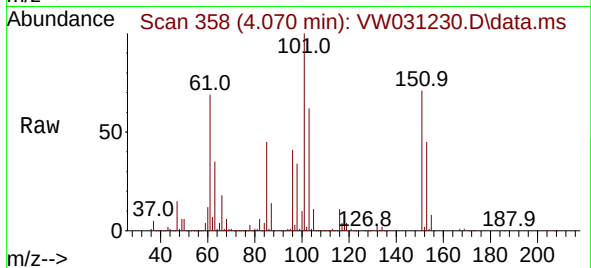
Tgt Ion:101 Resp: 890401

Ion Ratio Lower Upper

101 100

85 43.5 33.0 49.4

151 73.1 54.8 82.2



#12

1,1-Dichloroethene

Concen: 96.202 ug/L

RT: 4.039 min Scan# 353

Delta R.T. 0.000 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

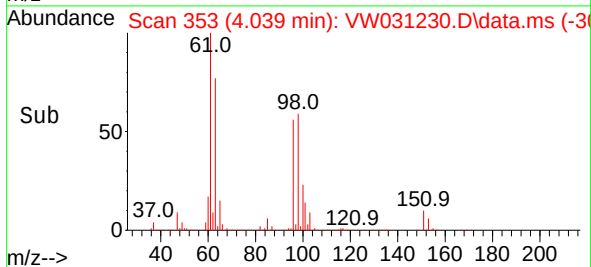
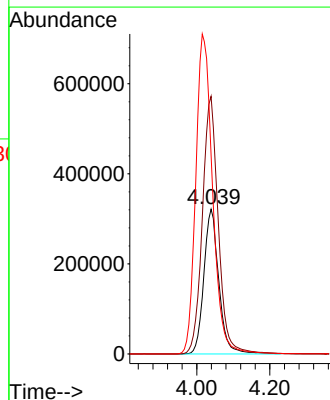
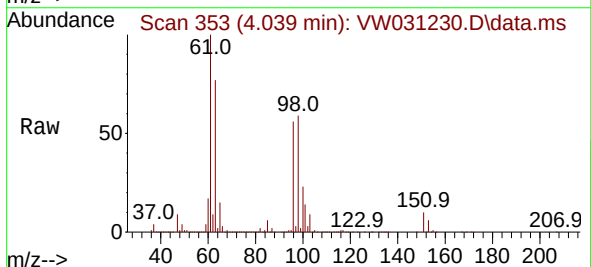
Tgt Ion: 96 Resp: 912106

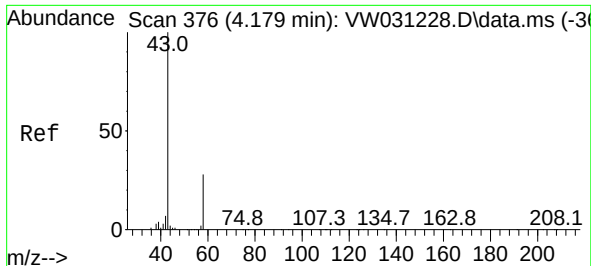
Ion Ratio Lower Upper

96 100

61 177.9 125.3 232.7

63 137.5 104.6 194.2

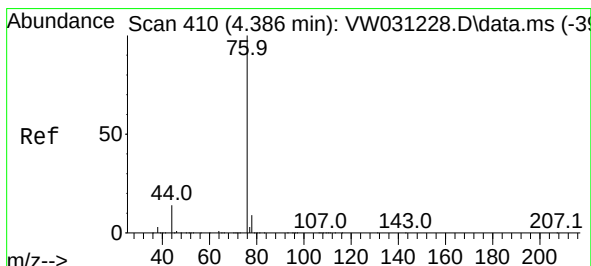
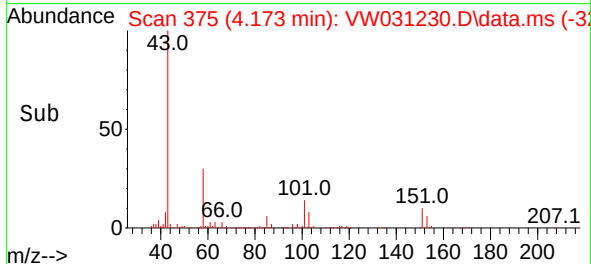
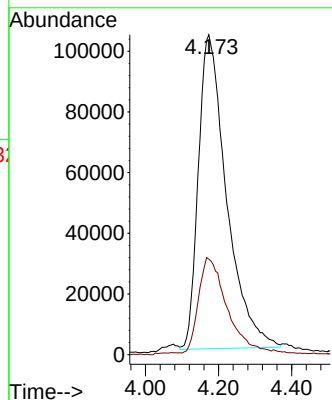
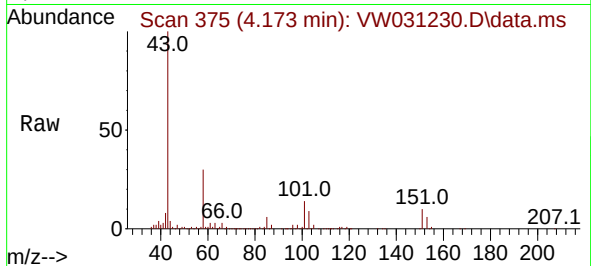




#13  
Acetone  
Concen: 175.055 ug/L  
RT: 4.173 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

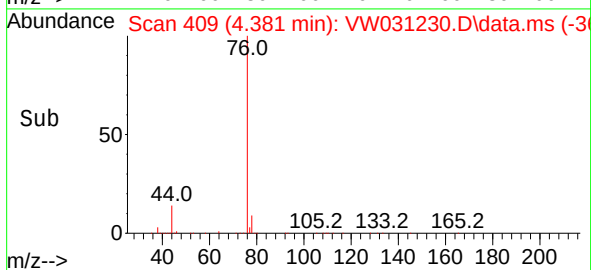
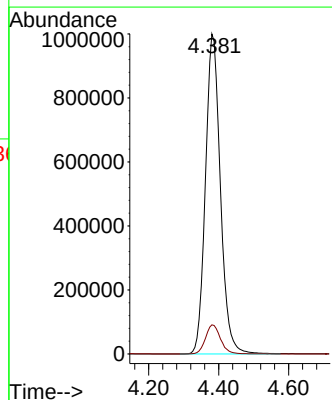
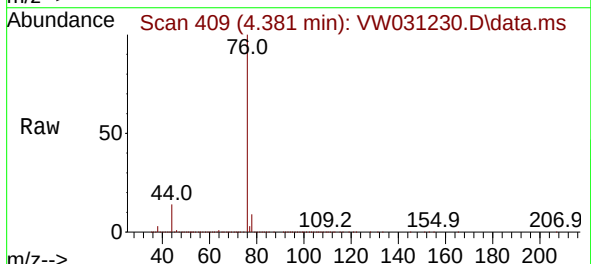
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 43 Resp: 554070  
Ion Ratio Lower Upper  
43 100  
58 30.0 0.0 0.0#

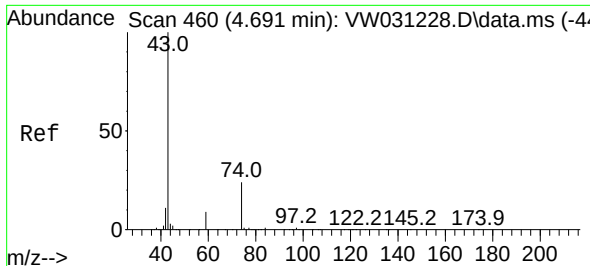


#14  
Carbon disulfide  
Concen: 95.911 ug/L  
RT: 4.381 min Scan# 409  
Delta R.T. -0.006 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

Tgt Ion: 76 Resp: 2965655  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.3 10.9



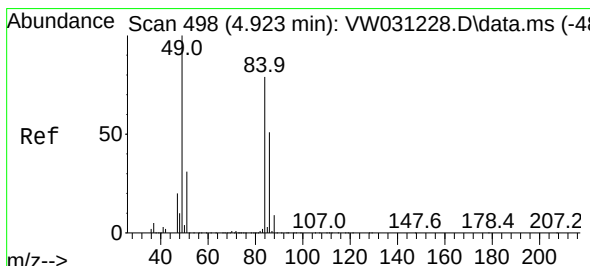
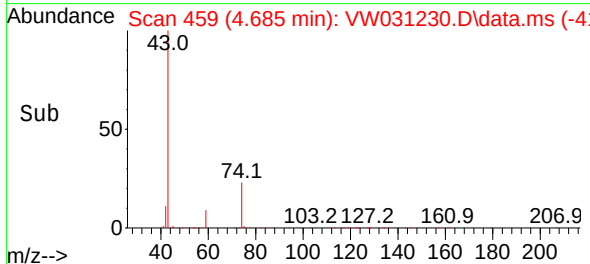
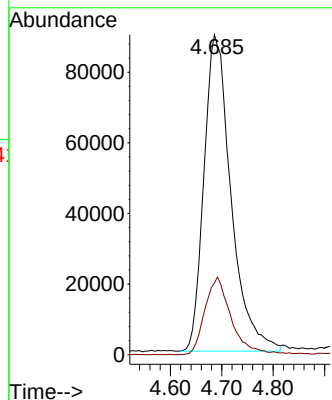
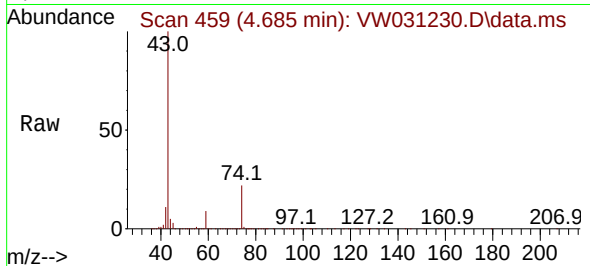




#15  
Methyl Acetate  
Concen: 95.991 ug/L  
RT: 4.685 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

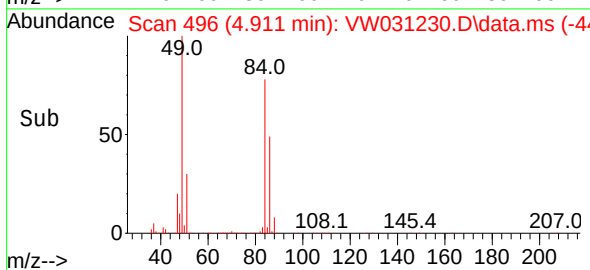
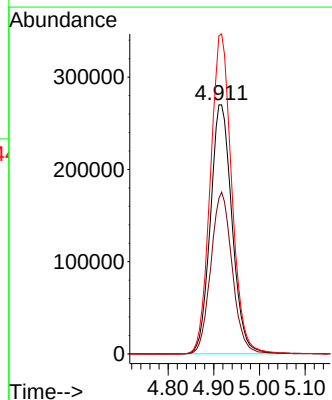
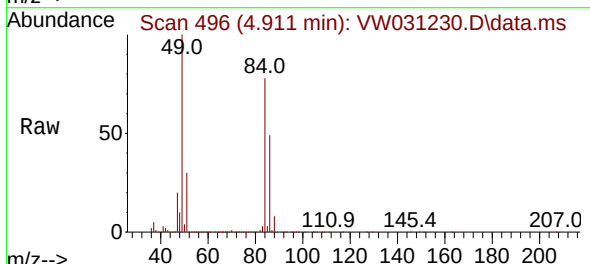
Instrument :  
MSVOA\_W  
ClientSampleId :

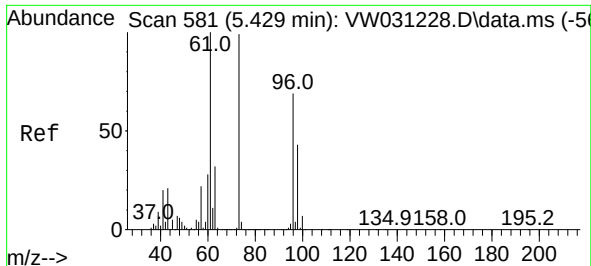
Tgt Ion: 43 Resp: 328108  
Ion Ratio Lower Upper  
43 100  
74 23.5 18.9 28.3



#16  
Methylene chloride  
Concen: 91.237 ug/L  
RT: 4.911 min Scan# 496  
Delta R.T. -0.012 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

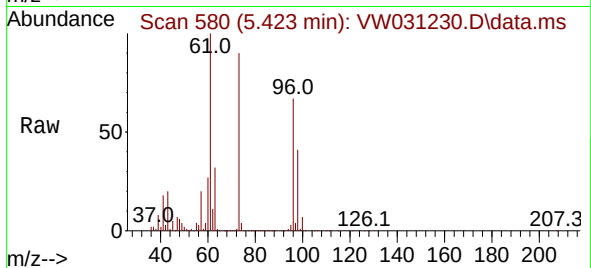
Tgt Ion: 84 Resp: 888587  
Ion Ratio Lower Upper  
84 100  
86 62.5 44.7 82.9  
49 127.8 88.3 164.1



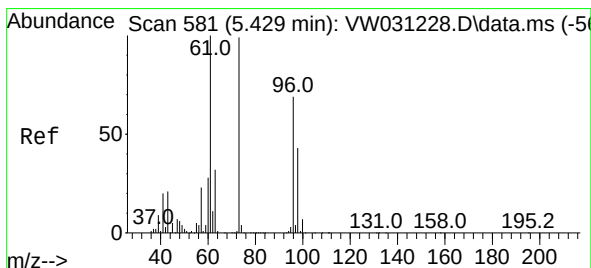
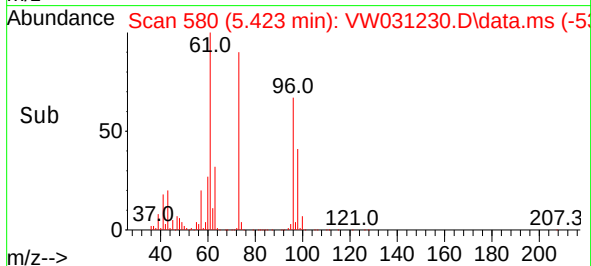
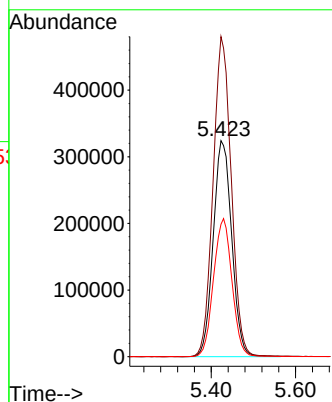


#17  
trans-1,2-Dichloroethene  
Concen: 96.417 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. -0.006 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

Instrument :  
MSVOA\_W  
ClientSampleId :

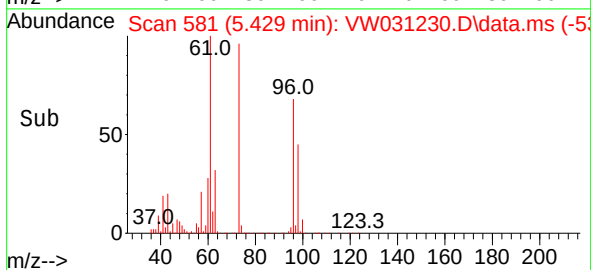
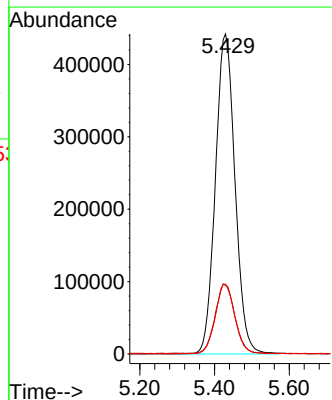
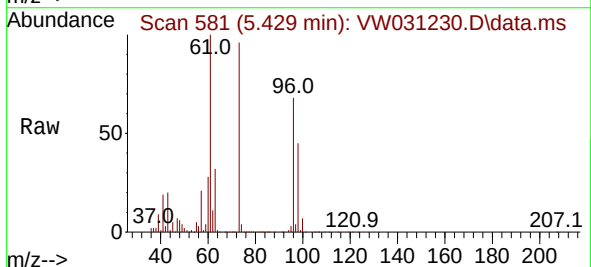


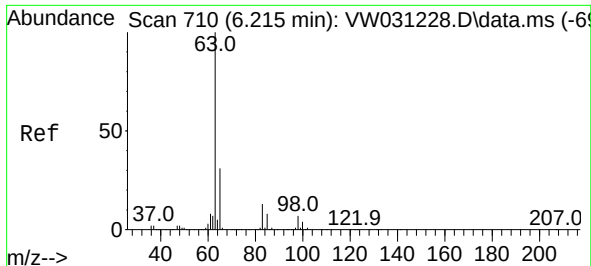
Tgt Ion: 96 Resp: 985367  
Ion Ratio Lower Upper  
96 100  
61 148.2 100.7 187.1  
98 61.3 43.8 81.3



#18  
Methyl tert-butyl Ether  
Concen: 94.360 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

Tgt Ion: 73 Resp: 1612174  
Ion Ratio Lower Upper  
73 100  
43 21.8 17.9 26.9  
57 21.8 17.9 26.9





#19

1,1-Dichloroethane

Concen: 96.310 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

Instrument :

MSVOA\_W

ClientSampleId :

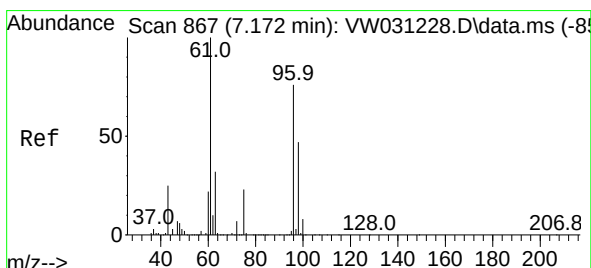
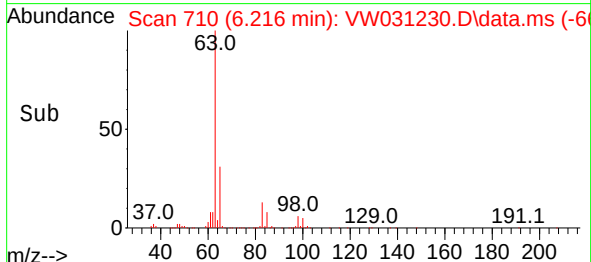
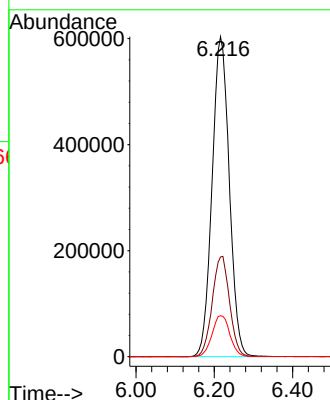
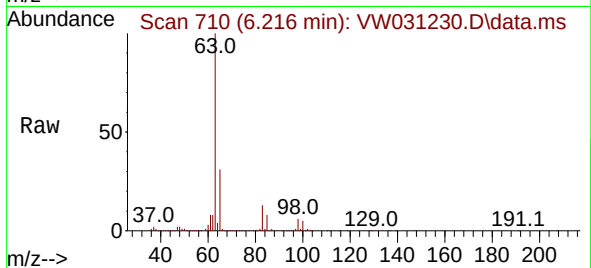
Tgt Ion: 63 Resp: 1839292

Ion Ratio Lower Upper

63 100

65 31.2 21.9 40.7

83 12.8 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 96.624 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

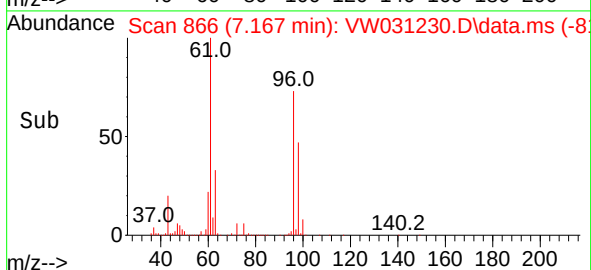
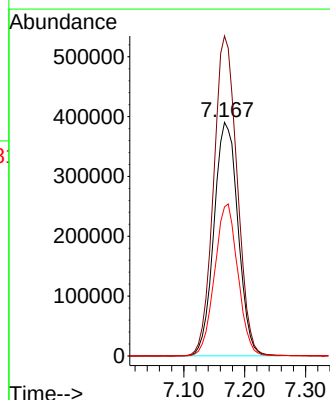
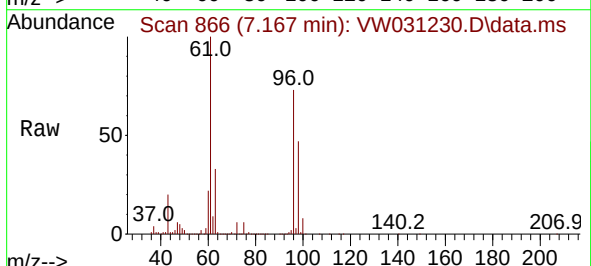
Tgt Ion: 96 Resp: 1068403

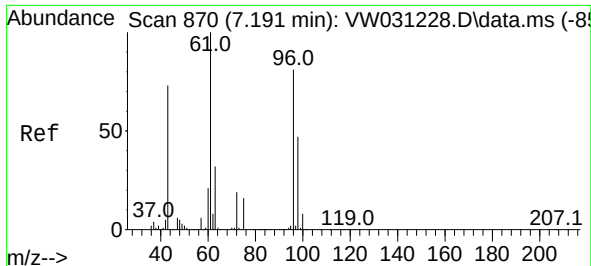
Ion Ratio Lower Upper

96 100

61 137.0 92.2 171.2

98 63.8 43.7 81.1





#22

2-Butanone

Concen: 179.588 ug/L

RT: 7.185 min Scan# 870

Delta R.T. -0.006 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

Instrument :

MSVOA\_W

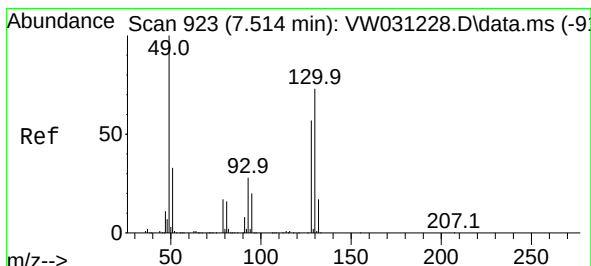
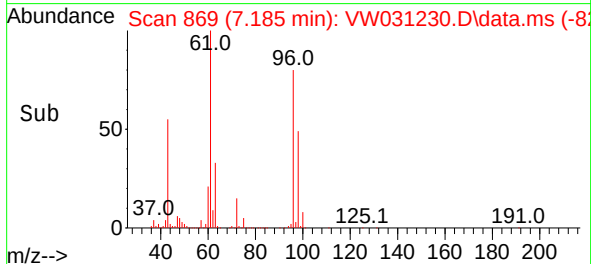
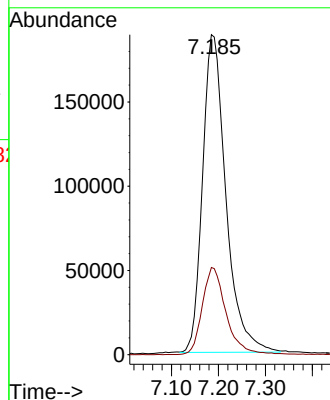
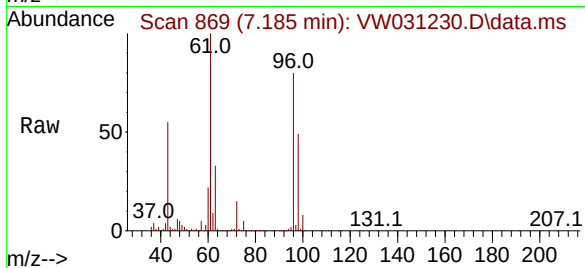
ClientSampleId :

Tgt Ion: 43 Resp: 651218

Ion Ratio Lower Upper

43 100

72 27.7 13.3 39.8



#23

Bromochloromethane

Concen: 98.880 ug/L

RT: 7.520 min Scan# 924

Delta R.T. 0.006 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

Tgt Ion:128 Resp: 436048

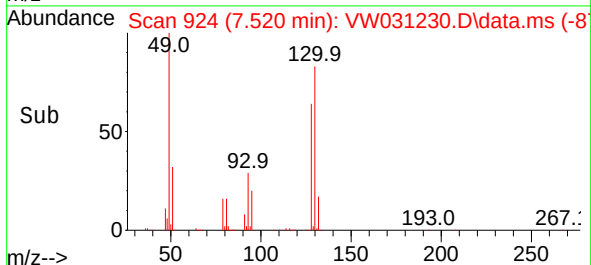
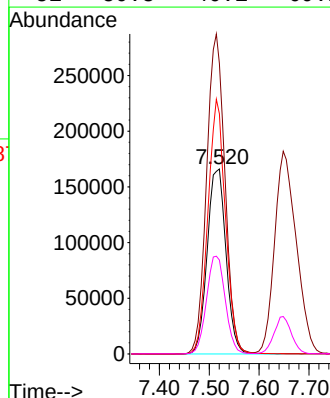
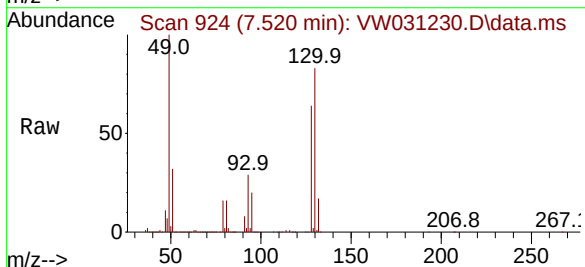
Ion Ratio Lower Upper

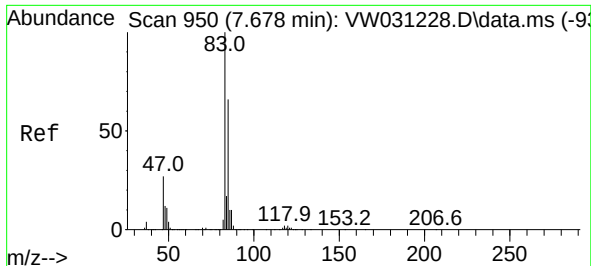
128 100

49 157.0 123.7 229.7

130 129.8 90.3 167.7

51 50.8 46.1 69.1





#25

Chloroform

Concen: 93.265 ug/L

RT: 7.673 min Scan# 949

Delta R.T. -0.006 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

Instrument :

MSVOA\_W

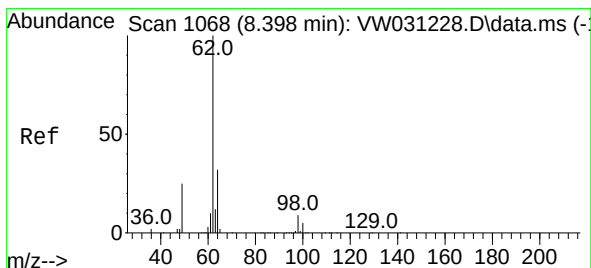
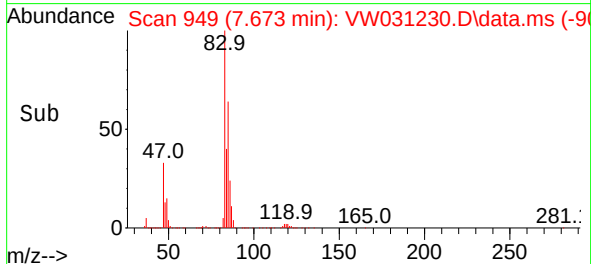
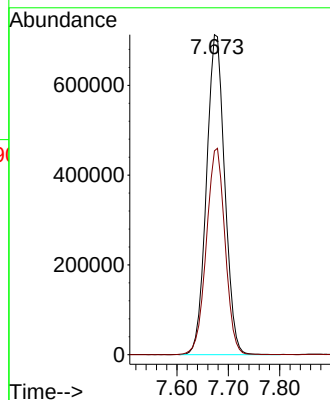
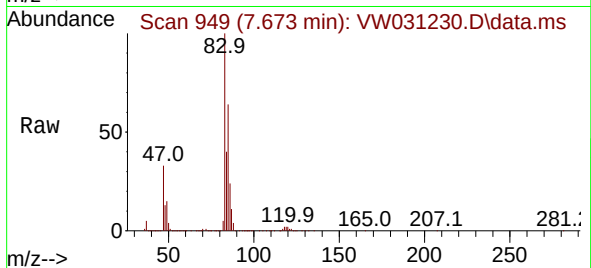
ClientSampleId :

Tgt Ion: 83 Resp: 1757887

Ion Ratio Lower Upper

83 100

85 63.7 46.1 85.5



#27

1,2-Dichloroethane

Concen: 95.773 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VW031230.D

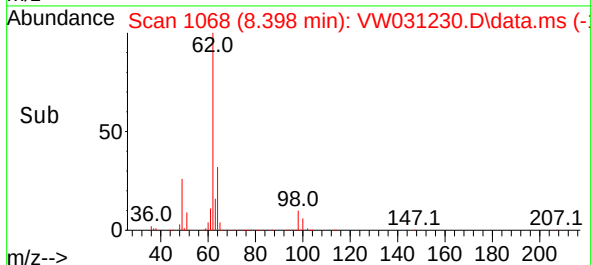
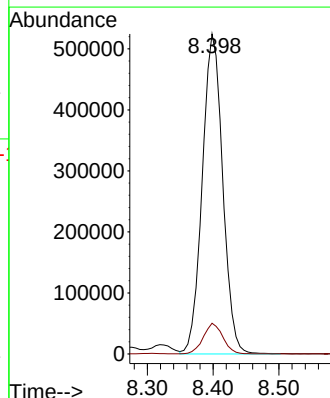
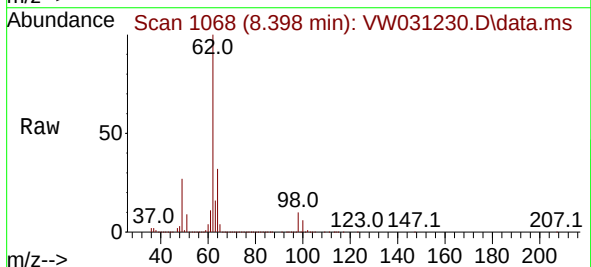
Acq: 13 Dec 2024 11:03

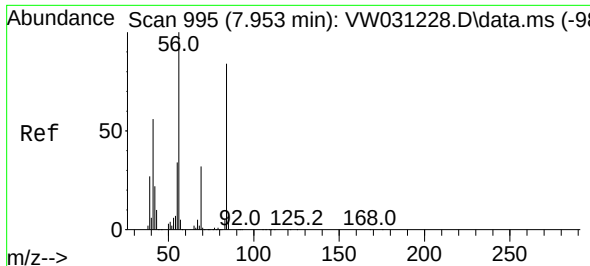
Tgt Ion: 62 Resp: 1134871

Ion Ratio Lower Upper

62 100

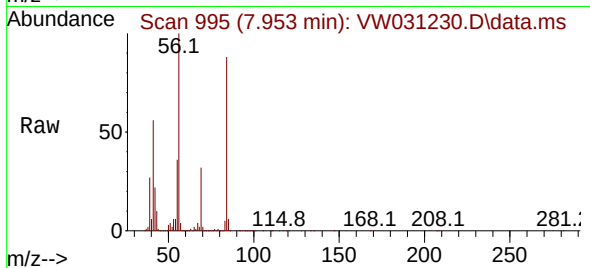
98 9.6 7.2 10.8



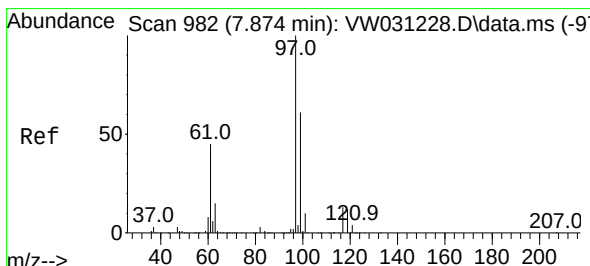
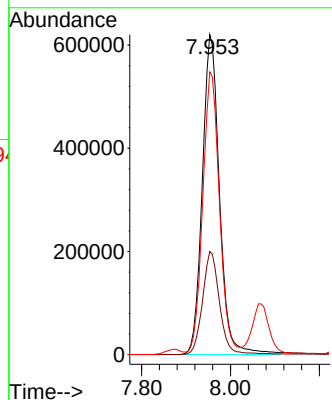
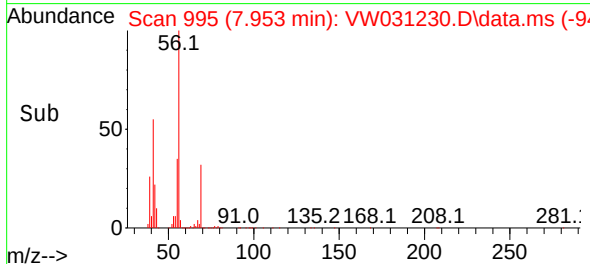


#29  
Cyclohexane  
Concen: 92.252 ug/L  
RT: 7.953 min Scan# 995  
Delta R.T. 0.000 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

Instrument :  
MSVOA\_W  
ClientSampleId :

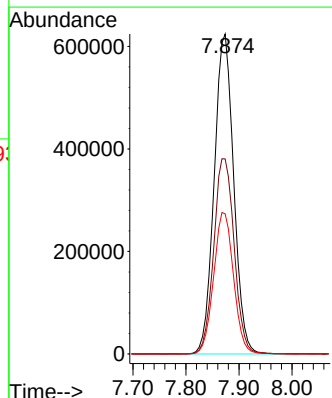
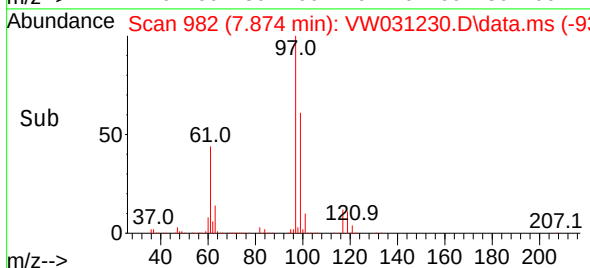
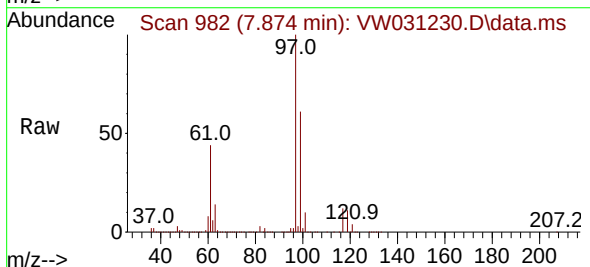


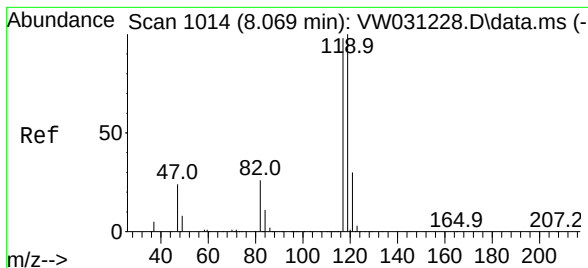
Tgt Ion: 56 Resp: 1668846  
Ion Ratio Lower Upper  
56 100  
69 31.5 25.0 37.4  
84 85.7 68.9 103.3



#30  
1,1,1-Trichloroethane  
Concen: 92.570 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

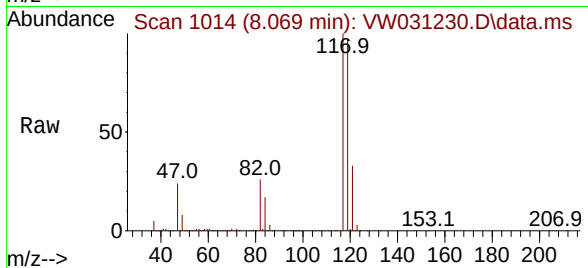
Tgt Ion: 97 Resp: 1596015  
Ion Ratio Lower Upper  
97 100  
99 63.8 51.1 76.7  
61 45.1 36.3 54.5



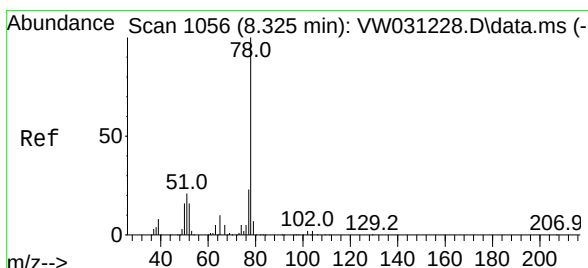
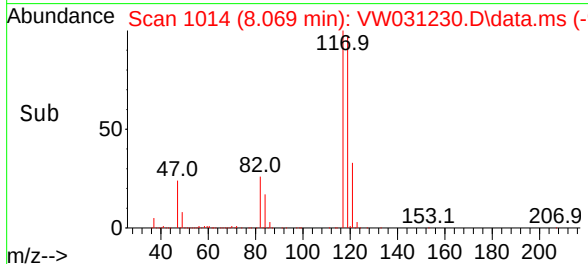
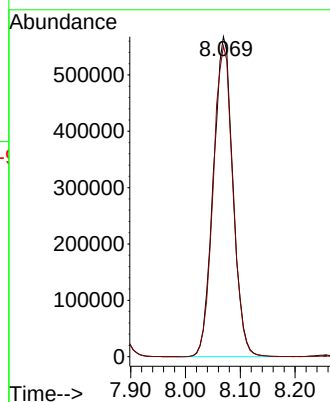


#31  
Carbon tetrachloride  
Concen: 91.905 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. 0.000 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

Instrument :  
MSVOA\_W  
ClientSampleId :

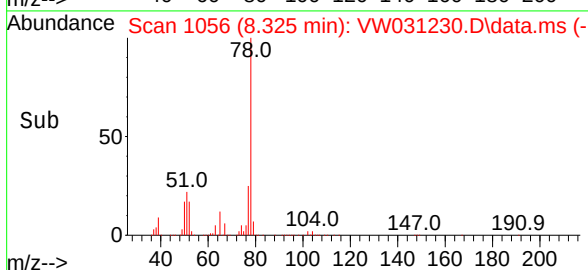
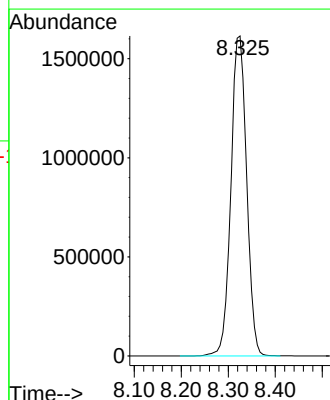
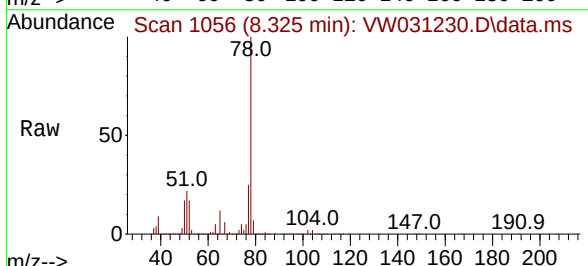


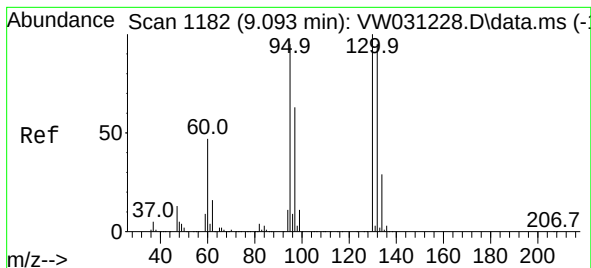
Tgt Ion:117 Resp: 1411690  
Ion Ratio Lower Upper  
117 100  
119 97.8 76.0 114.0



#33  
Benzene  
Concen: 91.056 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

Tgt Ion: 78 Resp: 3753520





#34

Trichloroethene

Concen: 93.345 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

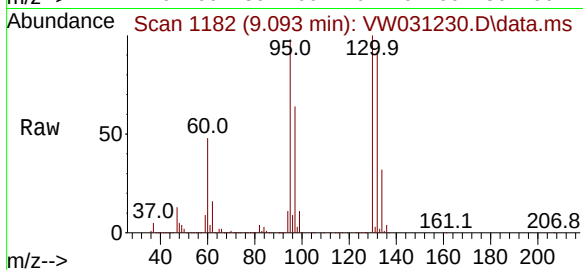
Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 95 Resp: 1086347

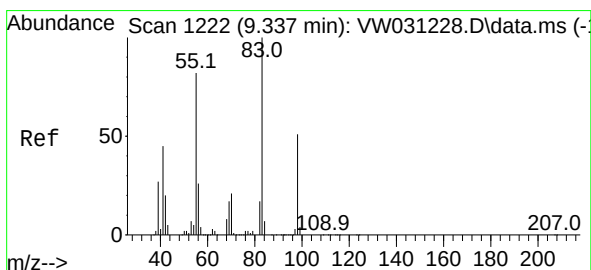
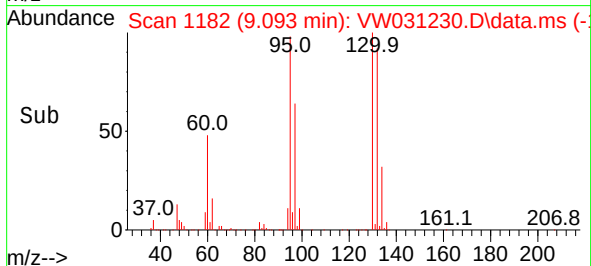
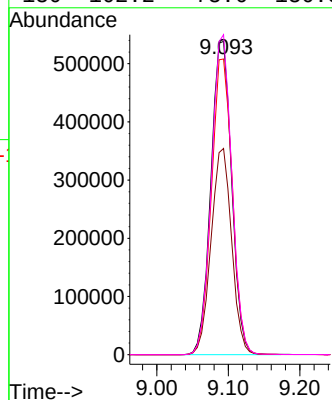
Ion Ratio Lower Upper

95 100

97 65.8 46.5 86.3

132 94.4 70.3 130.5

130 102.2 73.6 136.8



#35

Methylcyclohexane

Concen: 91.486 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

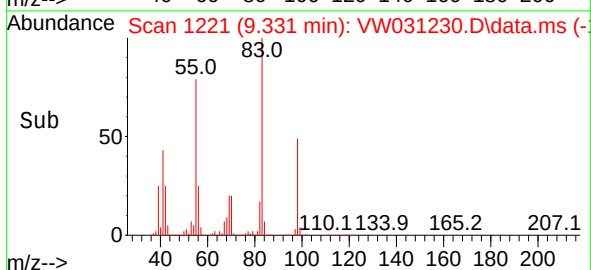
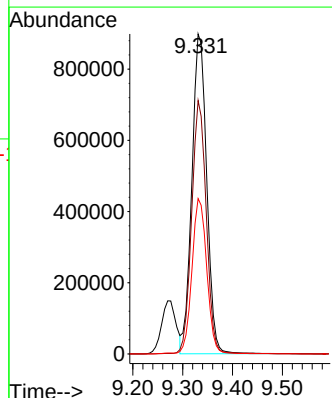
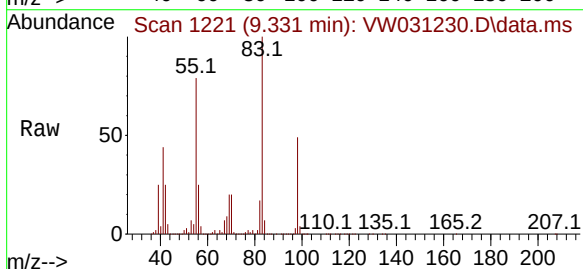
Tgt Ion: 83 Resp: 1854189

Ion Ratio Lower Upper

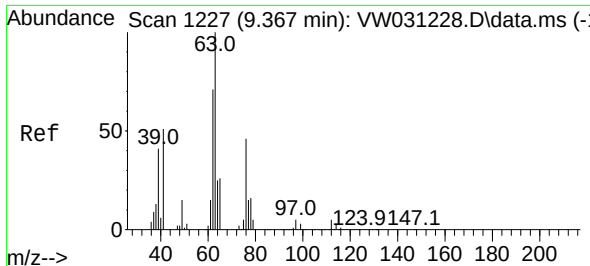
83 100

55 78.1 62.6 93.8

98 48.1 39.8 59.6







#37

1,2-Dichloropropane

Concen: 93.209 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

Instrument :

MSVOA\_W

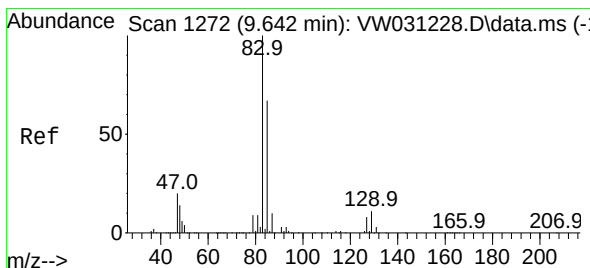
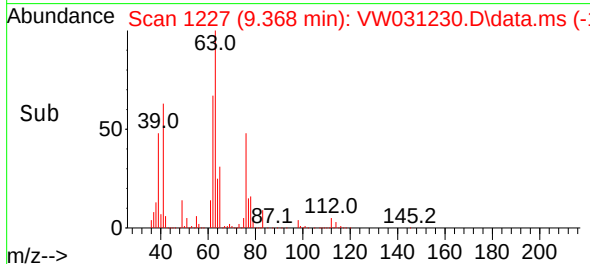
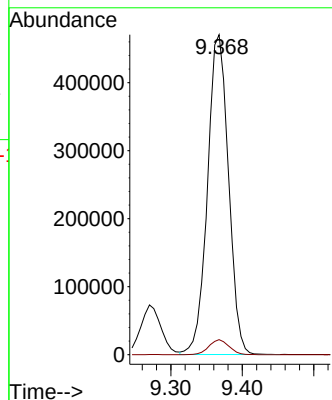
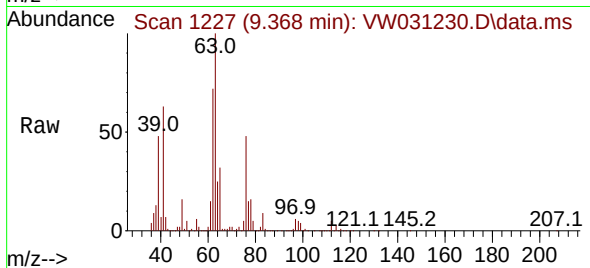
ClientSampleId :

Tgt Ion: 63 Resp: 958519

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.8



#38

Bromodichloromethane

Concen: 95.584 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

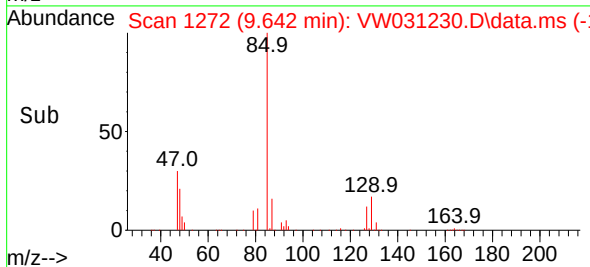
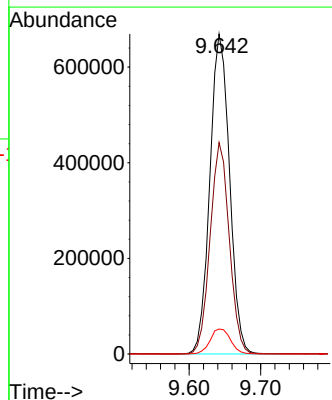
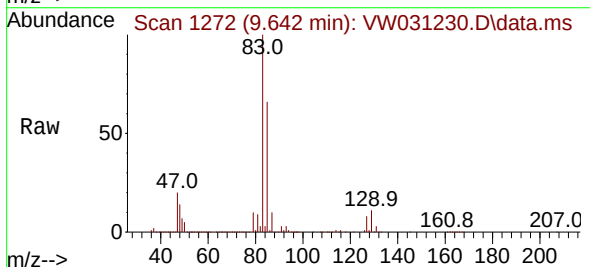
Tgt Ion: 83 Resp: 1277862

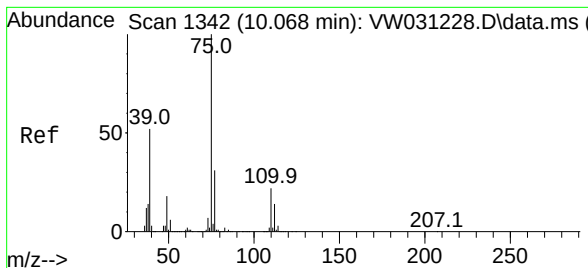
Ion Ratio Lower Upper

83 100

85 66.1 46.5 86.5

127 7.8 6.2 9.4

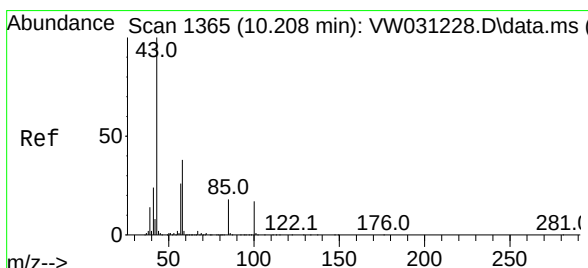
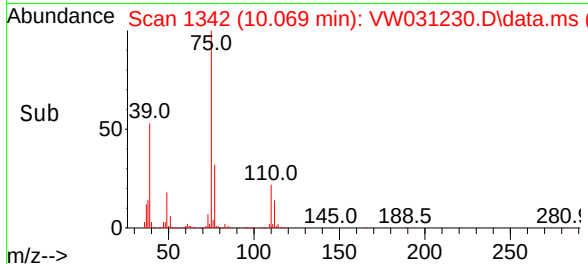
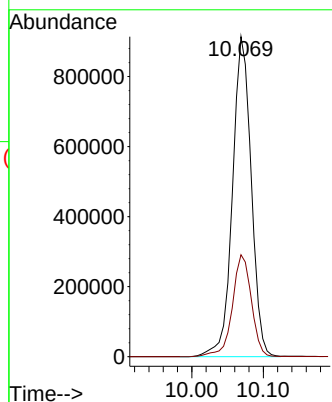
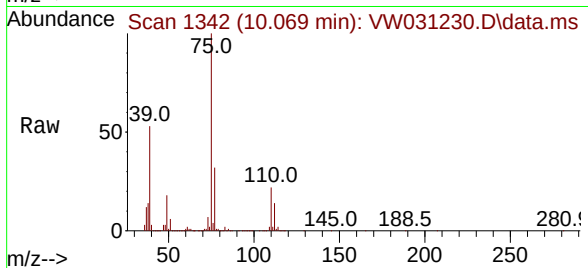




#39  
 cis-1,3-Dichloropropene  
 Concen: 95.703 ug/L  
 RT: 10.069 min Scan# 1342  
 Delta R.T. 0.000 min  
 Lab File: VW031230.D  
 Acq: 13 Dec 2024 11:03

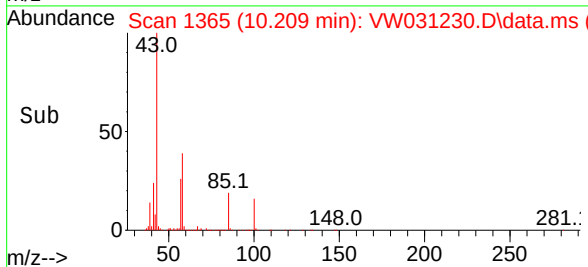
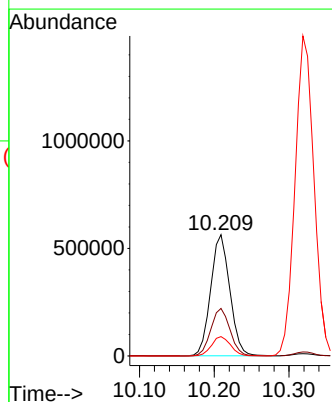
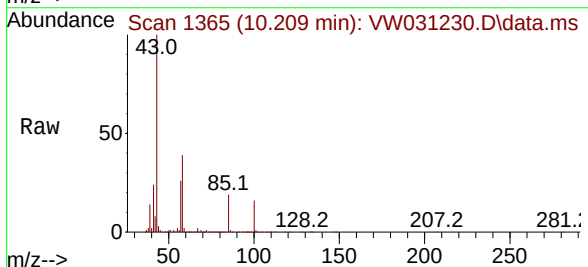
Instrument :  
 MSVOA\_W  
 ClientSampleId :

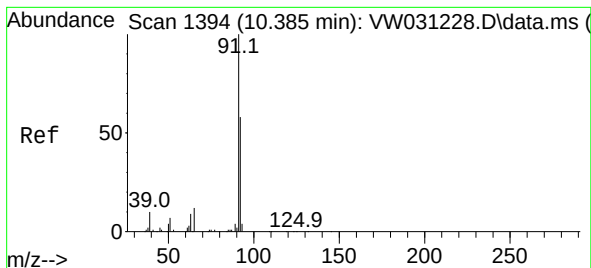
Tgt Ion: 75 Resp: 1663067  
 Ion Ratio Lower Upper  
 75 100  
 77 31.9 21.8 40.4



#40  
 4-Methyl-2-pentanone  
 Concen: 183.634 ug/L  
 RT: 10.209 min Scan# 1365  
 Delta R.T. 0.000 min  
 Lab File: VW031230.D  
 Acq: 13 Dec 2024 11:03

Tgt Ion: 43 Resp: 1001881  
 Ion Ratio Lower Upper  
 43 100  
 58 39.3 31.1 46.7  
 100 16.1 13.0 19.6





#42

Toluene

Concen: 92.519 ug/L

RT: 10.386 min Scan# 1419

Delta R.T. 0.000 min MSVOA\_W

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

Instrument :

MSVOA\_W

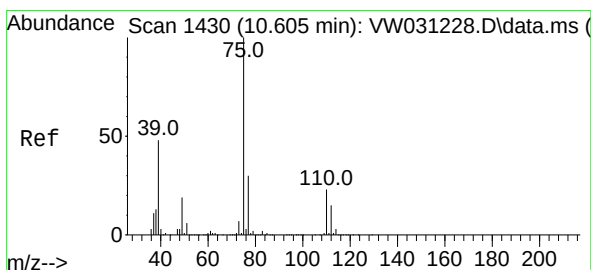
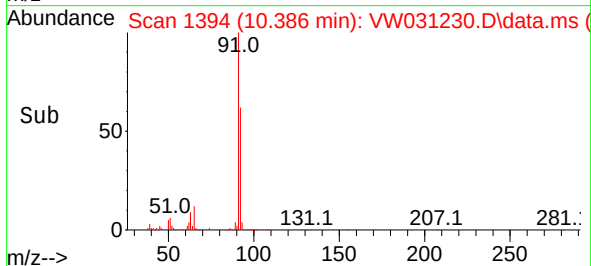
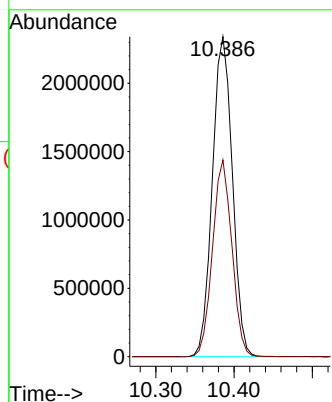
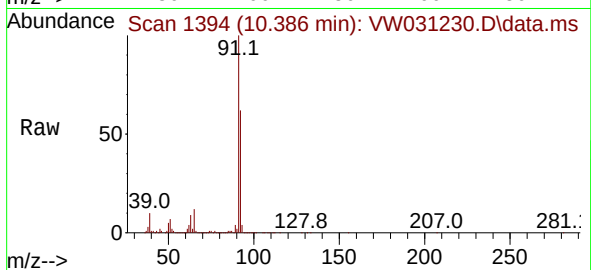
ClientSampleId :

Tgt Ion: 91 Resp: 4152304

Ion Ratio Lower Upper

91 100

92 61.5 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 95.381 ug/L

RT: 10.599 min Scan# 1429

Delta R.T. -0.006 min

Lab File: VW031230.D

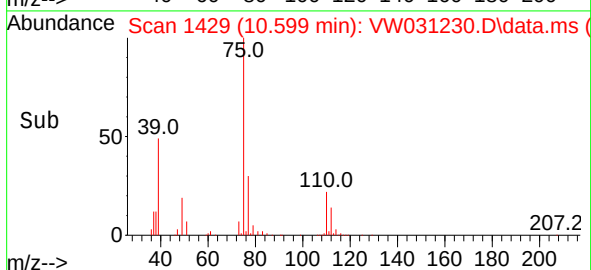
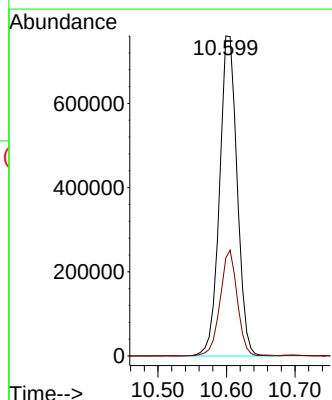
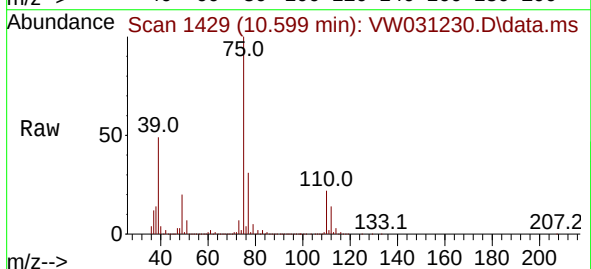
Acq: 13 Dec 2024 11:03

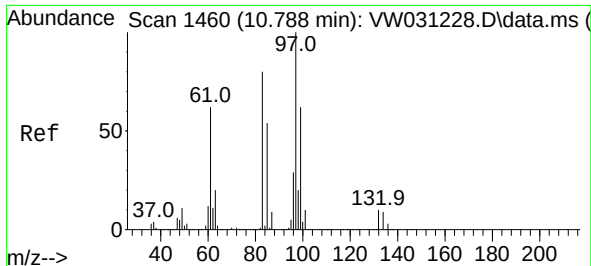
Tgt Ion: 75 Resp: 1353363

Ion Ratio Lower Upper

75 100

77 30.6 21.2 39.4



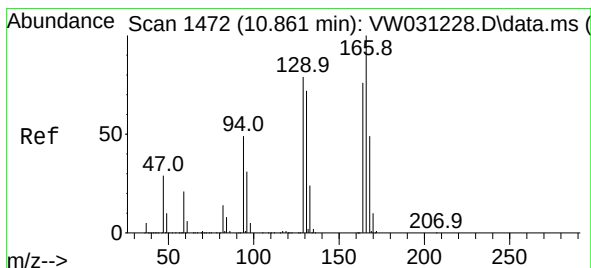
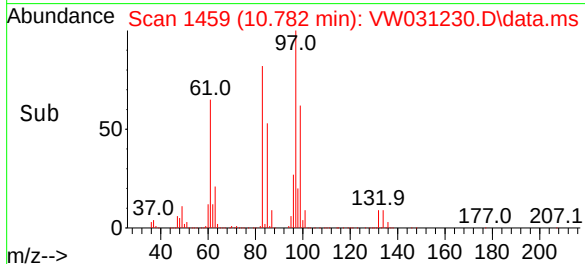
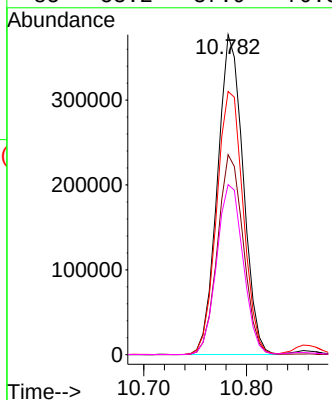
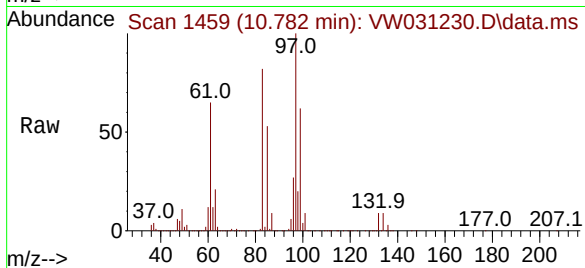


#45  
1,1,2-Trichloroethane  
Concen: 95.658 ug/L  
RT: 10.782 min Scan# 1459  
Delta R.T. -0.006 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 97 Resp: 654259

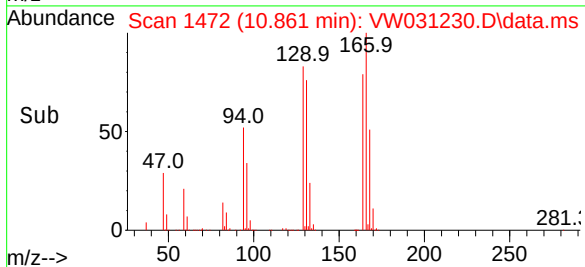
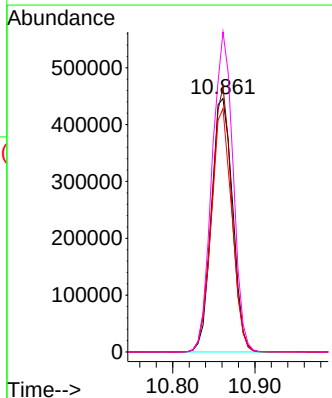
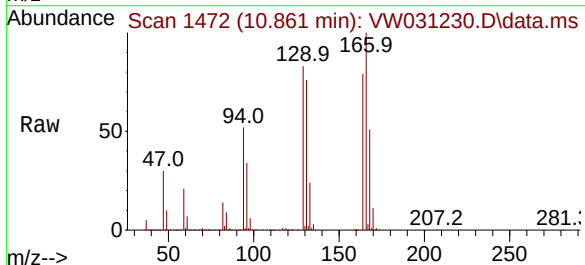
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.5  | 43.0  | 80.0  |
| 83  | 82.3  | 56.4  | 104.7 |
| 85  | 53.2  | 37.9  | 70.3  |

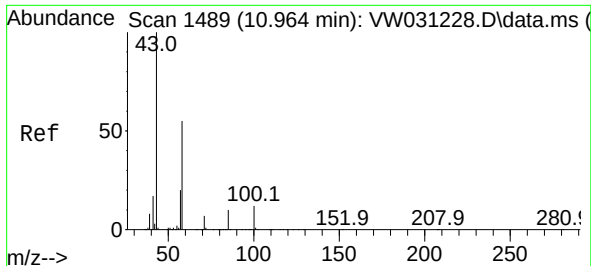


#46  
Tetrachloroethene  
Concen: 93.087 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

Tgt Ion:164 Resp: 793540

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 104.7 | 73.5  | 136.5 |
| 131 | 96.0  | 66.6  | 123.8 |
| 166 | 126.2 | 92.7  | 172.3 |





#48

2-Hexanone

Concen: 200.419 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 43 Resp: 929978

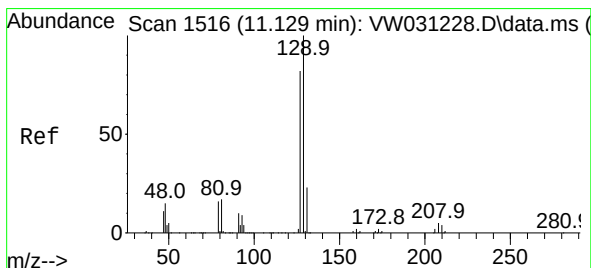
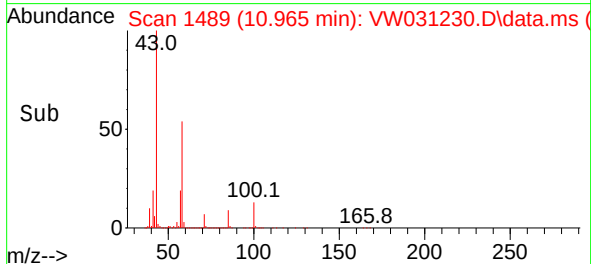
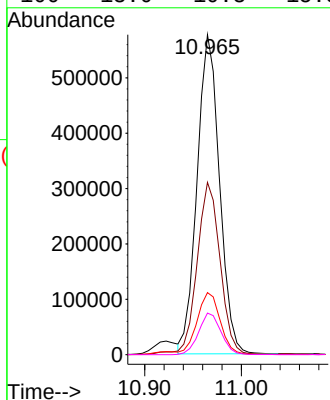
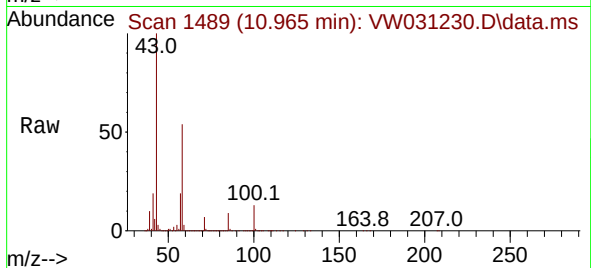
Ion Ratio Lower Upper

43 100

58 54.6 43.0 64.6

57 20.0 15.7 23.5

100 13.0 10.3 15.5



#49

Dibromochloromethane

Concen: 96.417 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW031230.D

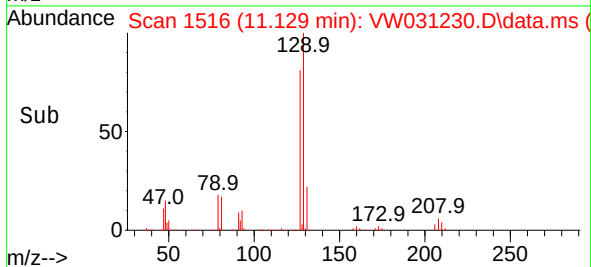
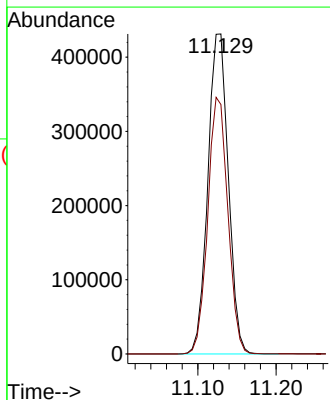
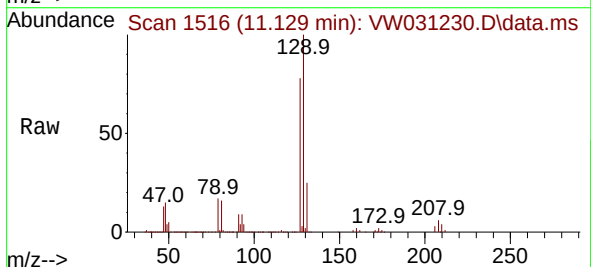
Acq: 13 Dec 2024 11:03

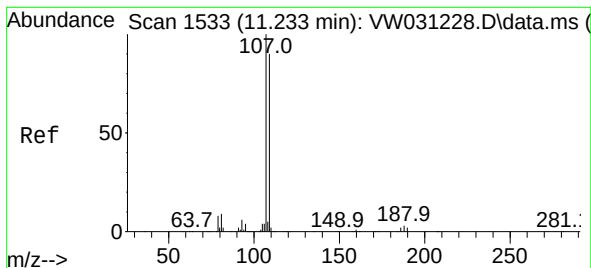
Tgt Ion: 129 Resp: 781750

Ion Ratio Lower Upper

129 100

127 78.0 57.6 107.0





#50

1,2-Dibromoethane

Concen: 96.305 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

Instrument :

MSVOA\_W

ClientSampleId :

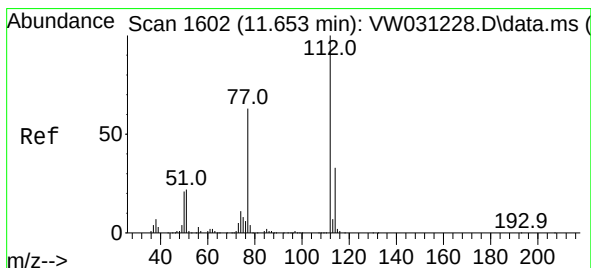
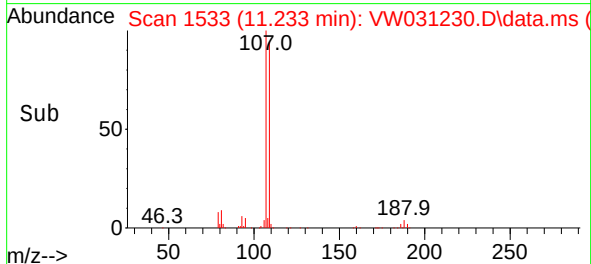
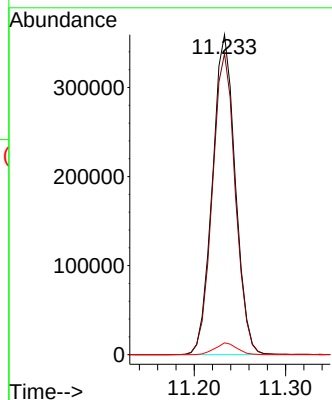
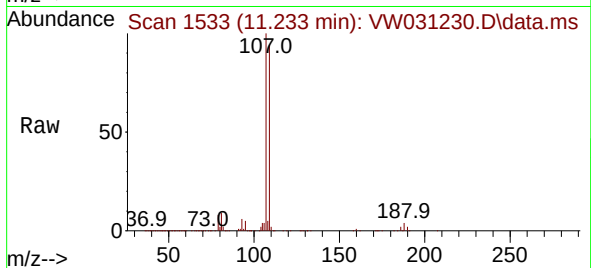
Tgt Ion:107 Resp: 624026

Ion Ratio Lower Upper

107 100

109 94.1 63.2 117.4

188 3.7 2.6 4.0



#51

Chlorobenzene

Concen: 95.008 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

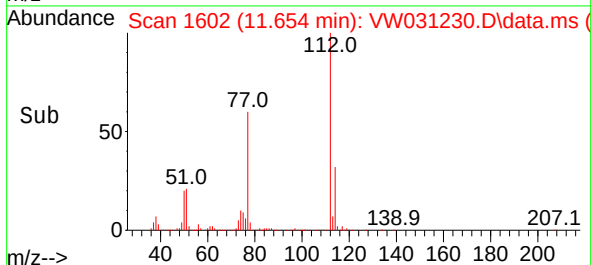
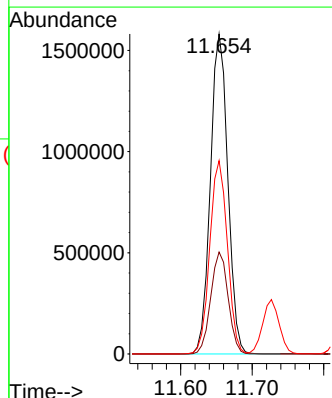
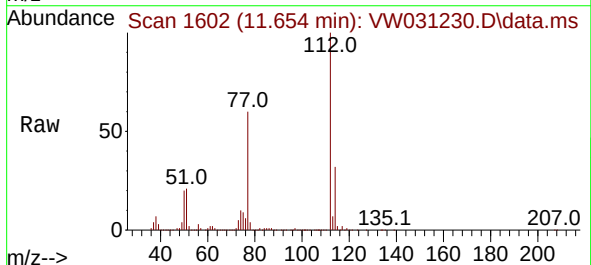
Tgt Ion:112 Resp: 2673471

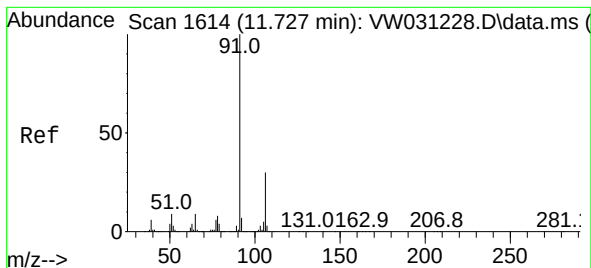
Ion Ratio Lower Upper

112 100

114 31.8 22.7 42.3

77 60.4 50.2 75.4

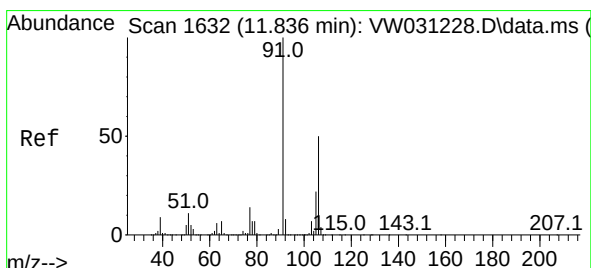
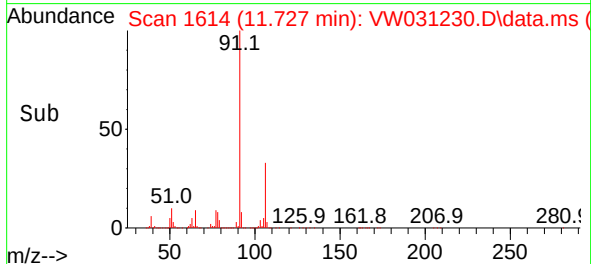
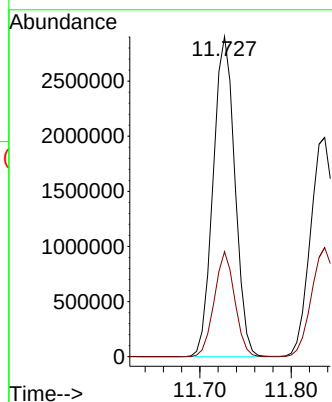
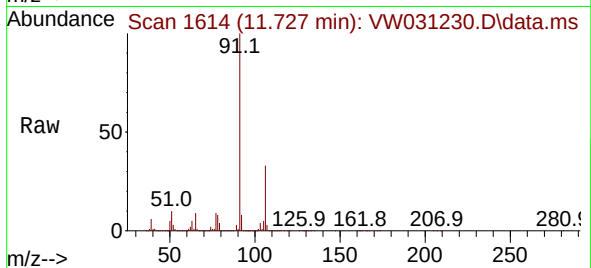




#52  
Ethylbenzene  
Concen: 92.398 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

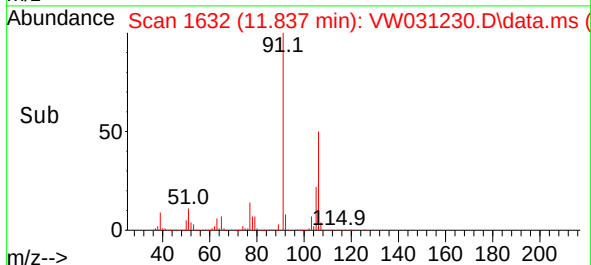
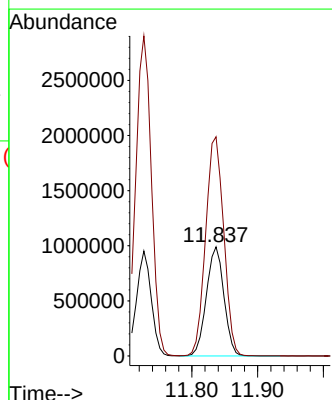
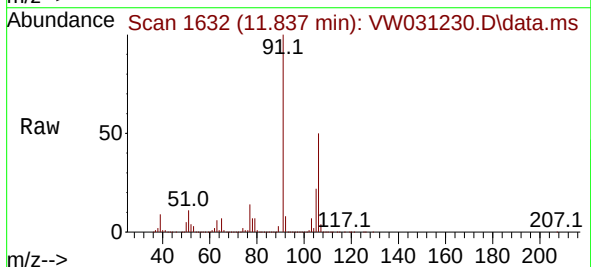
Instrument :  
MSVOA\_W  
ClientSampleId :

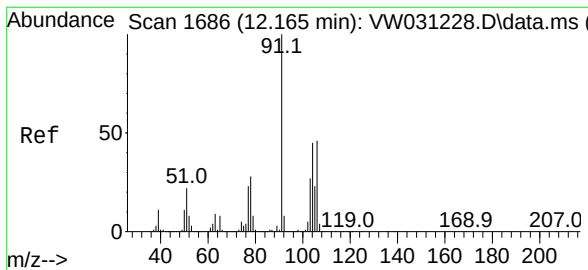
Tgt Ion: 91 Resp: 4806136  
Ion Ratio Lower Upper  
91 100  
106 32.8 20.7 38.5



#53  
m,p-Xylene  
Concen: 92.557 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. 0.000 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

Tgt Ion:106 Resp: 1832773  
Ion Ratio Lower Upper  
106 100  
91 200.9 139.9 259.7

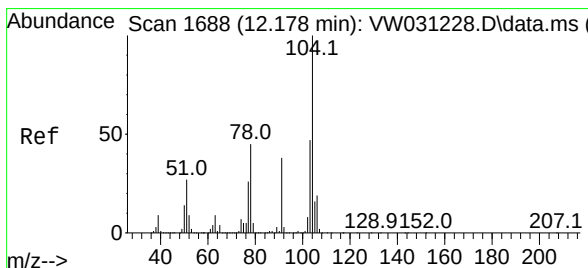
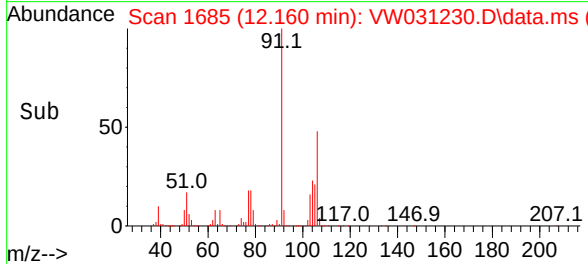
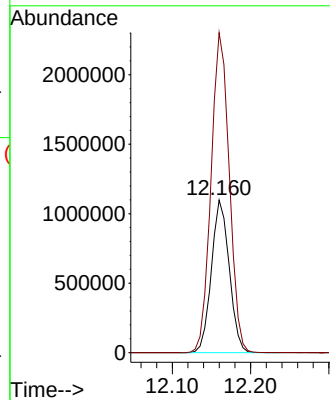
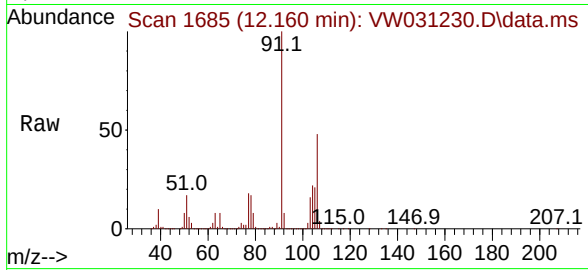




#54  
o-Xylene  
Concen: 93.012 ug/L  
RT: 12.160 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

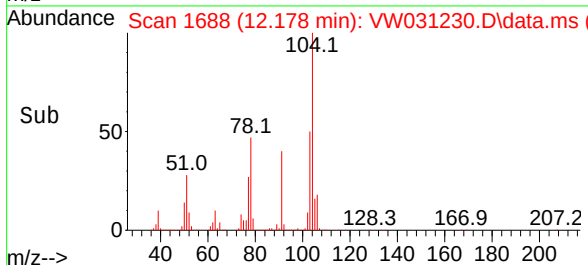
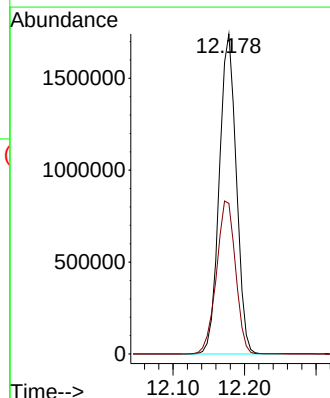
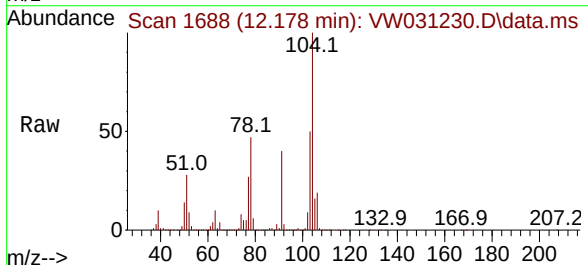
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:106 Resp: 1735802  
Ion Ratio Lower Upper  
106 100  
91 209.6 153.1 284.3

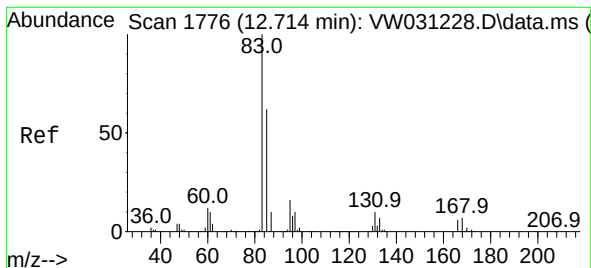


#55  
Styrene  
Concen: 92.679 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: VW031230.D  
Acq: 13 Dec 2024 11:03

Tgt Ion:104 Resp: 2876957  
Ion Ratio Lower Upper  
104 100  
78 47.0 31.4 58.4







#57

1,1,2,2-Tetrachloroethane

Concen: 93.388 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

Instrument :

MSVOA\_W

ClientSampleId :

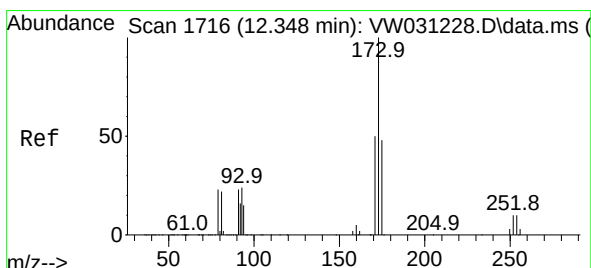
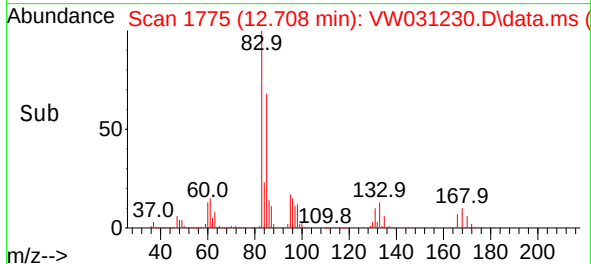
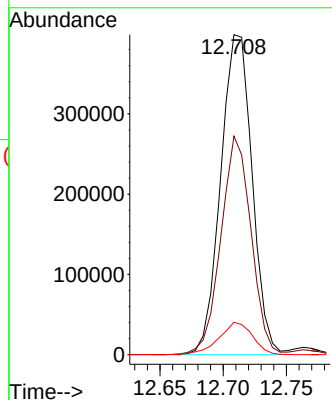
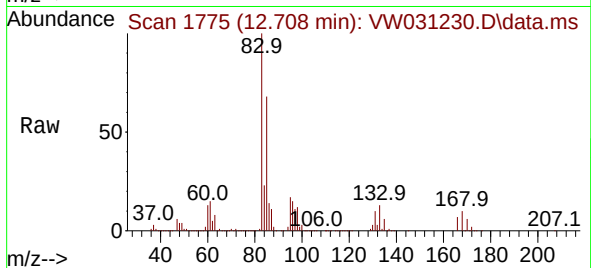
Tgt Ion: 83 Resp: 688862

Ion Ratio Lower Upper

83 100

85 68.3 44.1 81.9

131 10.2 7.9 11.9



#59

Bromoform

Concen: 96.869 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

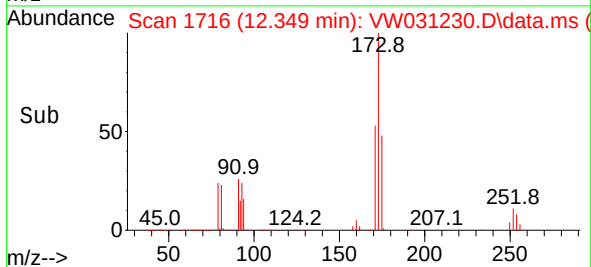
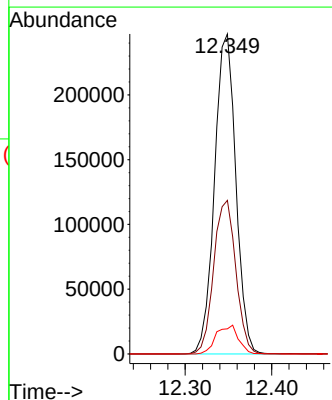
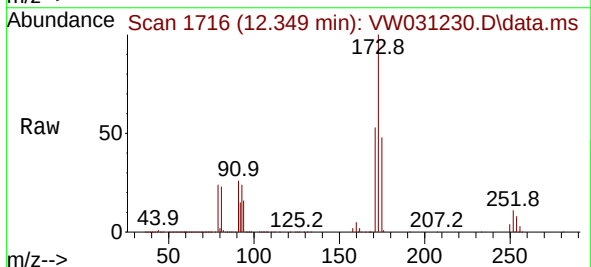
Tgt Ion:173 Resp: 421892

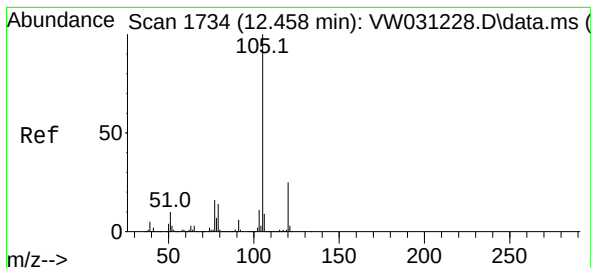
Ion Ratio Lower Upper

173 100

175 49.8 38.6 57.8

254 9.4 7.6 11.4





#60

Isopropylbenzene

Concen: 93.617 ug/L

RT: 12.458 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

Instrument :

MSVOA\_W

ClientSampleId :

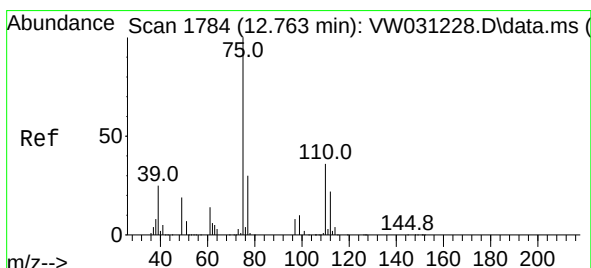
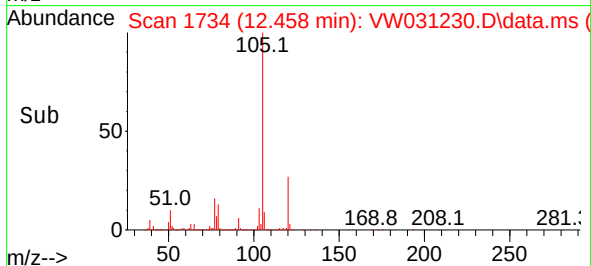
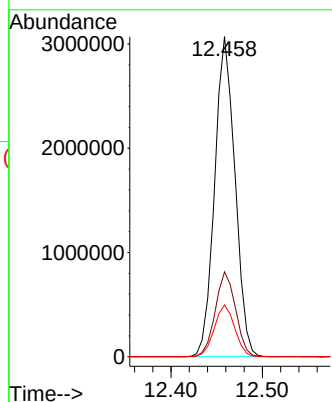
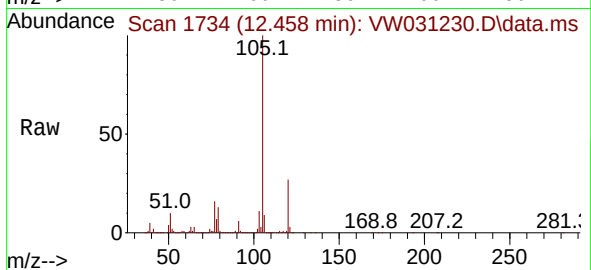
Tgt Ion:105 Resp: 4749568

Ion Ratio Lower Upper

105 100

120 26.4 20.6 31.0

77 16.2 12.8 19.2



#61

1,2,3-Trichloropropane

Concen: 97.010 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

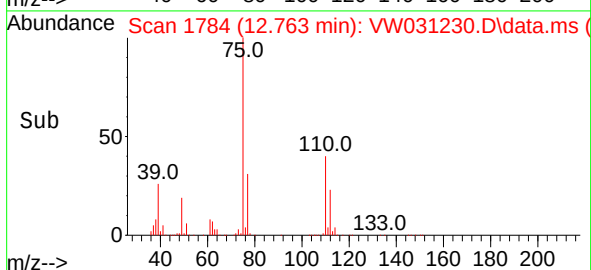
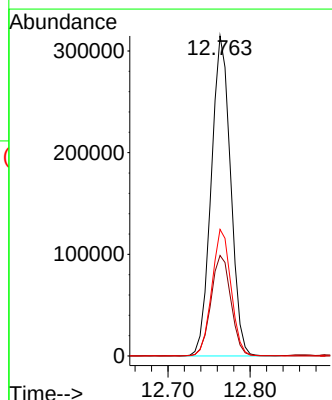
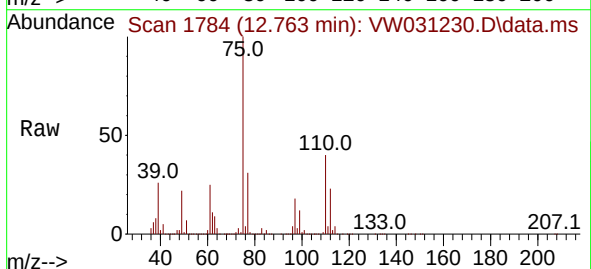
Tgt Ion: 75 Resp: 514637

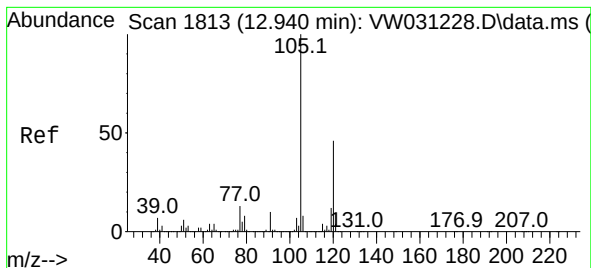
Ion Ratio Lower Upper

75 100

77 32.3 25.3 37.9

110 39.0 31.2 46.8

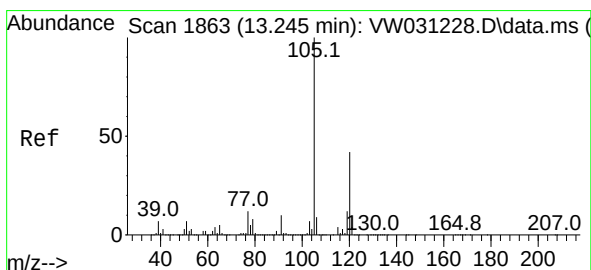
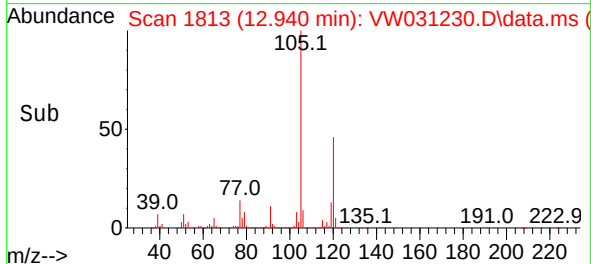
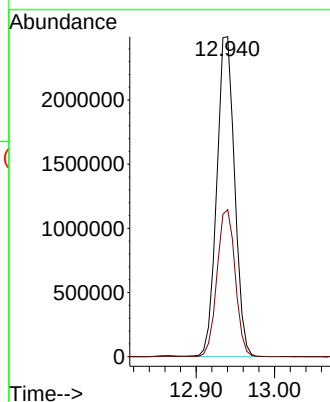
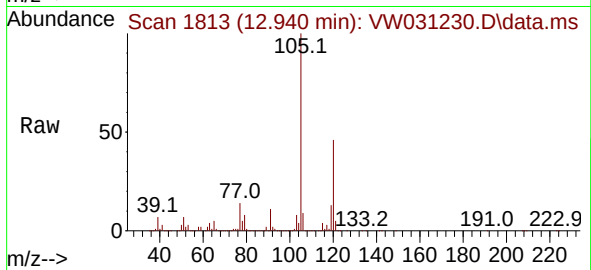




#62  
 1,3,5-Trimethylbenzene  
 Concen: 91.941 ug/L  
 RT: 12.940 min Scan# 1813  
 Delta R.T. 0.000 min  
 Lab File: VW031230.D  
 Acq: 13 Dec 2024 11:03

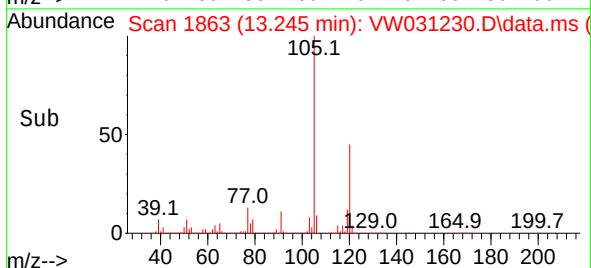
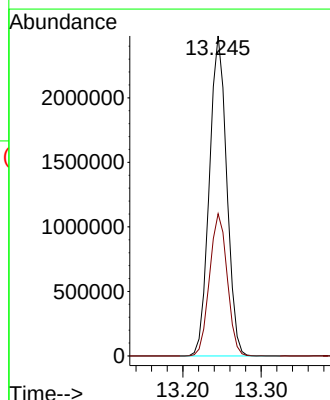
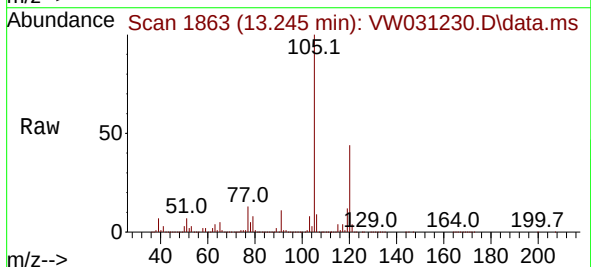
Instrument :  
 MSVOA\_W  
 ClientSampleId :

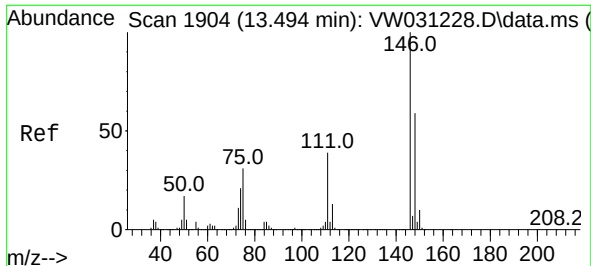
Tgt Ion:105 Resp: 3954630  
 Ion Ratio Lower Upper  
 105 100  
 120 46.7 37.3 55.9



#63  
 1,2,4-Trimethylbenzene  
 Concen: 91.750 ug/L  
 RT: 13.245 min Scan# 1863  
 Delta R.T. 0.000 min  
 Lab File: VW031230.D  
 Acq: 13 Dec 2024 11:03

Tgt Ion:105 Resp: 3814319  
 Ion Ratio Lower Upper  
 105 100  
 120 45.0 35.0 52.4





#64

1,3-Dichlorobenzene

Concen: 95.289 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

Instrument :

MSVOA\_W

ClientSampleId :

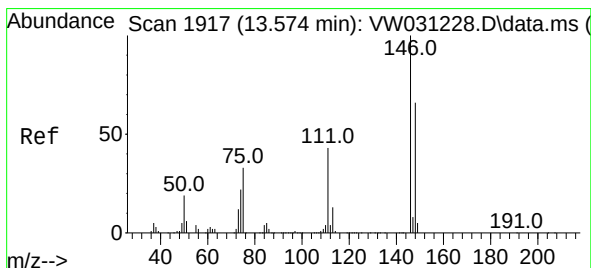
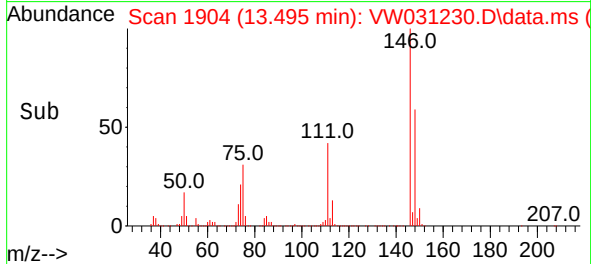
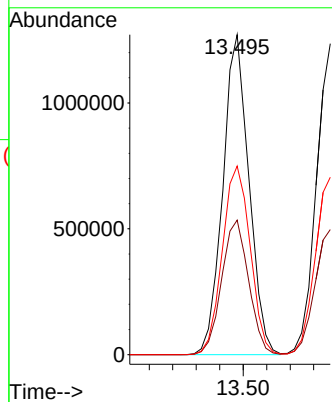
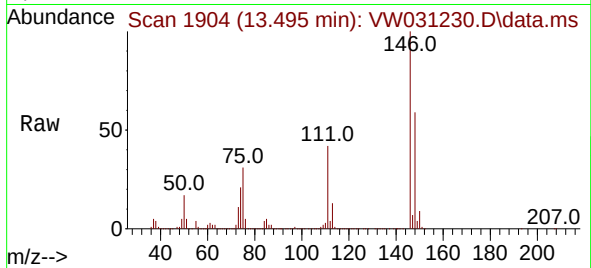
Tgt Ion:146 Resp: 1958663

Ion Ratio Lower Upper

146 100

111 42.0 27.6 51.2

148 59.0 41.0 76.2



#65

1,4-Dichlorobenzene

Concen: 94.047 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

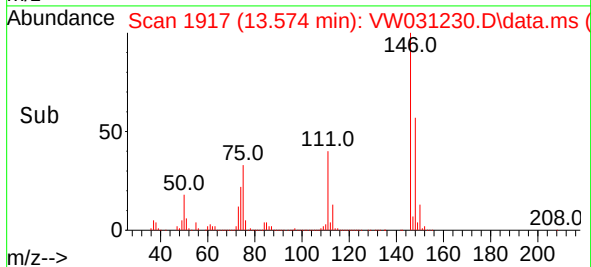
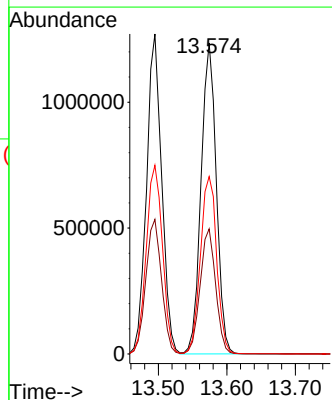
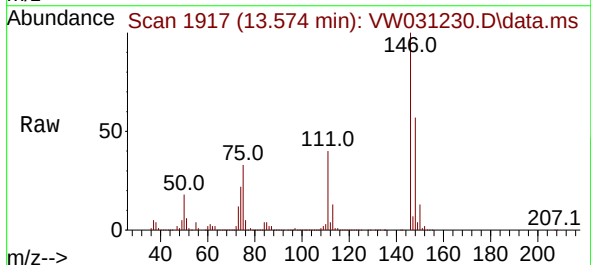
Tgt Ion:146 Resp: 1915371

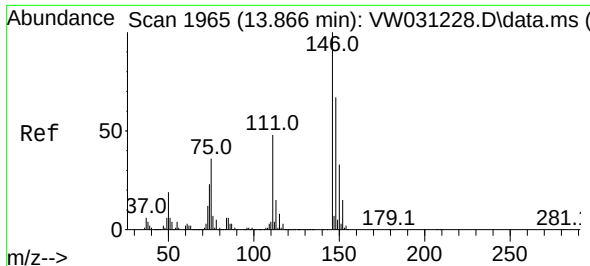
Ion Ratio Lower Upper

146 100

111 40.2 30.7 56.9

148 57.0 46.5 86.3





#67

1,2-Dichlorobenzene

Concen: 93.102 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

Instrument :

MSVOA\_W

ClientSampleId :

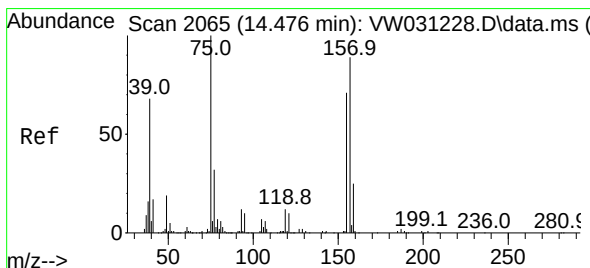
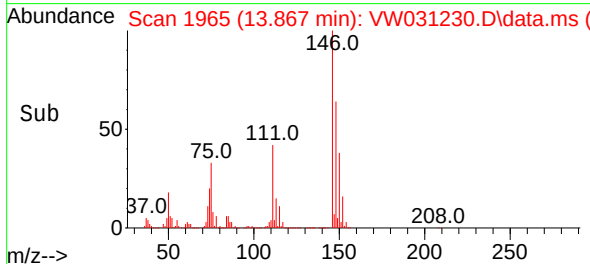
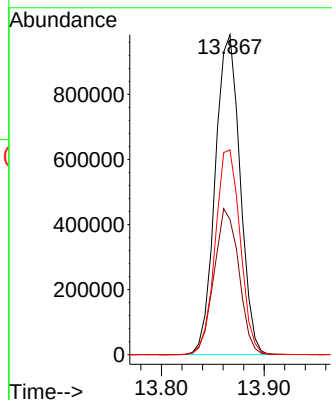
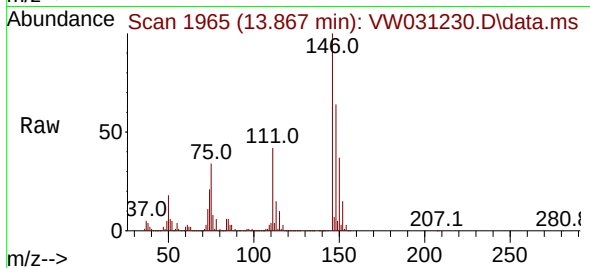
Tgt Ion:146 Resp: 1648899

Ion Ratio Lower Upper

146 100

111 42.3 38.6 58.0

148 64.0 53.6 80.4



#68

1,2-Dibromo-3-chloropropane

Concen: 95.589 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

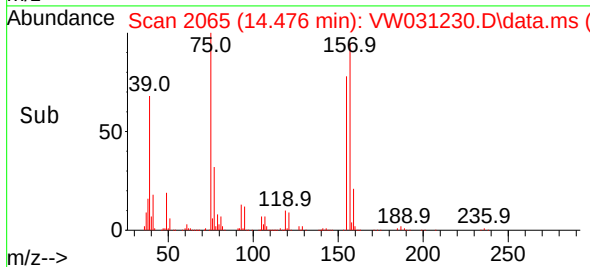
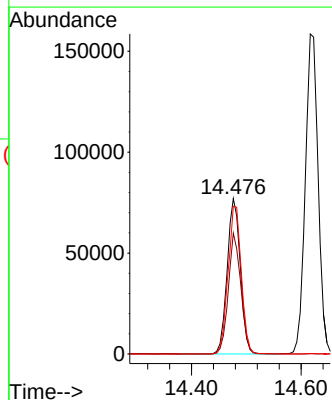
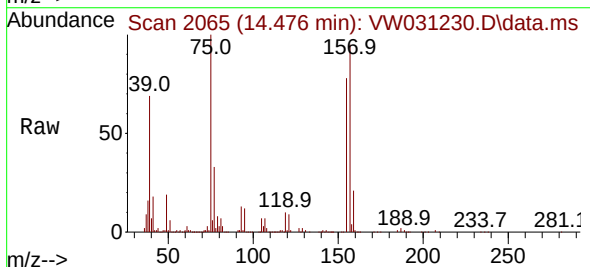
Tgt Ion: 75 Resp: 128686

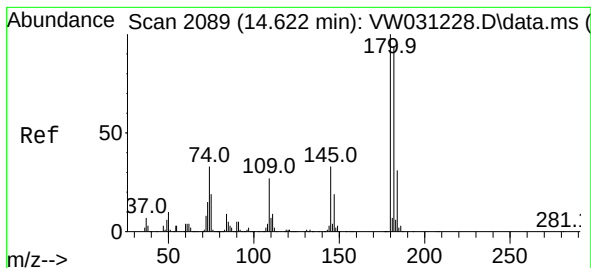
Ion Ratio Lower Upper

75 100

155 77.8 56.6 85.0

157 95.0 71.2 106.8





#69

1,3,5-Trichlorobenzene

Concen: 89.912 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

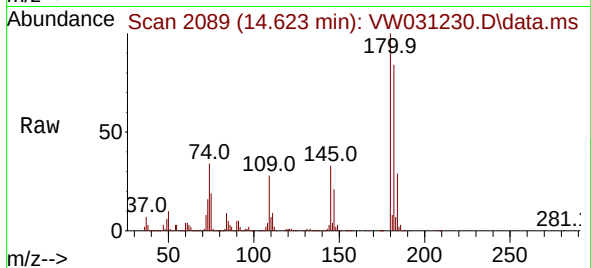
Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 1294365

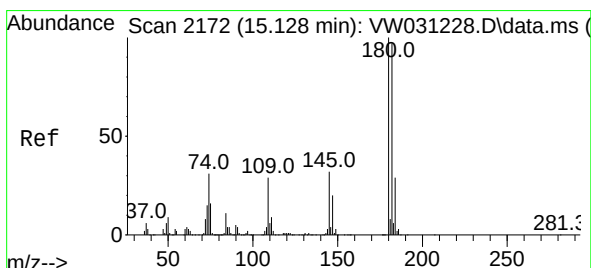
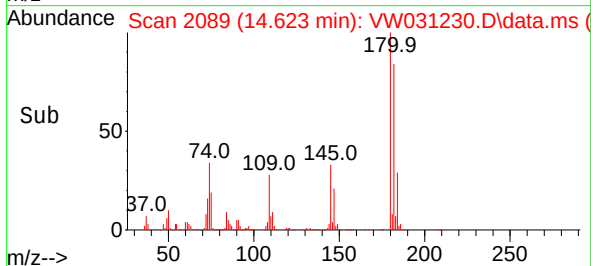
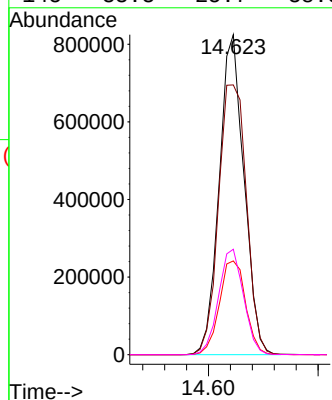
Ion Ratio Lower Upper

180 100

182 95.2 75.0 112.4

184 31.0 24.6 36.8

145 33.3 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 92.435 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

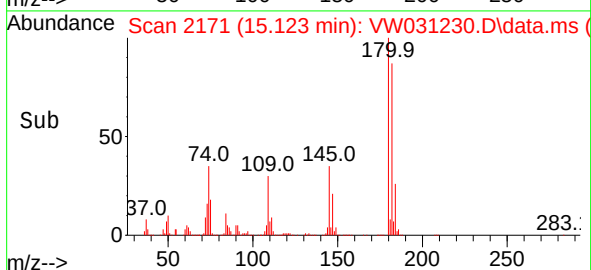
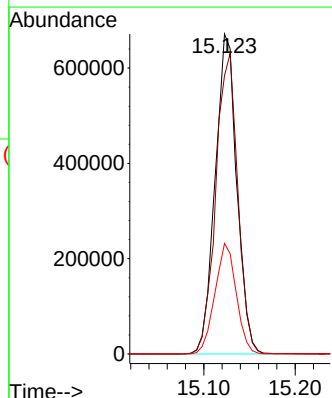
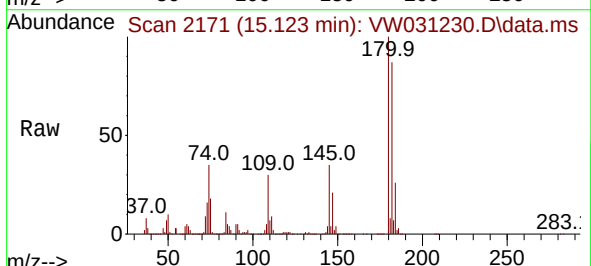
Tgt Ion:180 Resp: 1106932

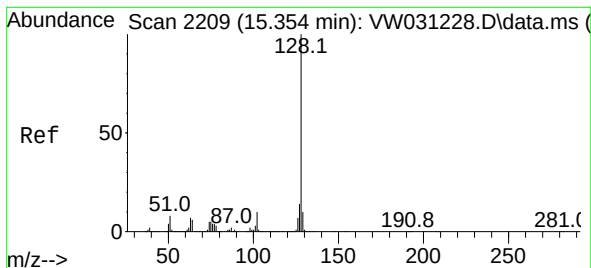
Ion Ratio Lower Upper

180 100

182 95.4 78.2 117.2

145 34.1 26.7 40.1





#71

Naphthalene

Concen: 97.911 ug/L

RT: 15.354 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

Instrument :

MSVOA\_W

ClientSampleId :

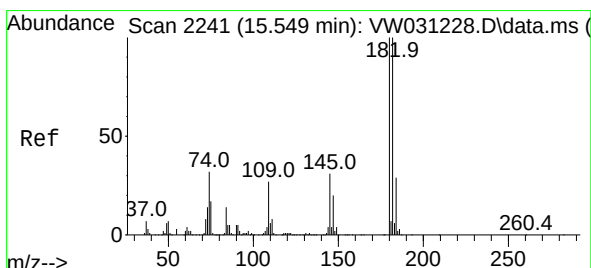
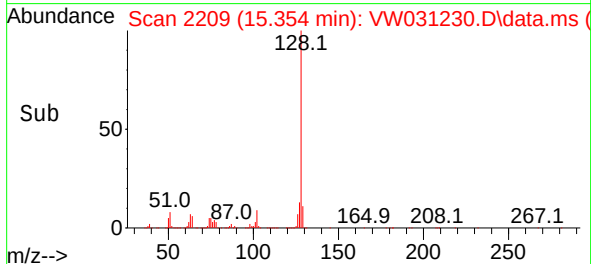
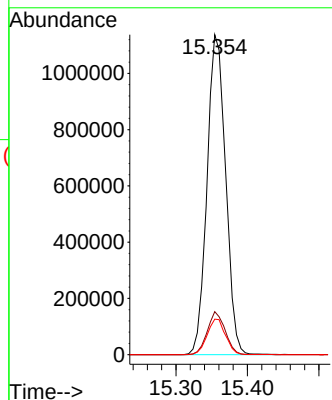
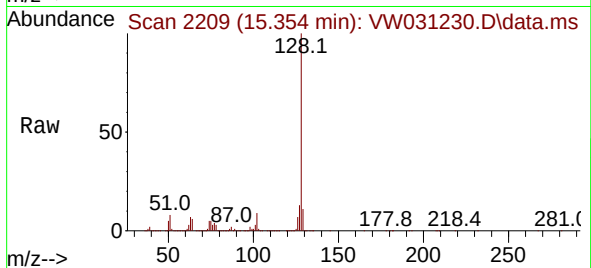
Tgt Ion:128 Resp: 2055642

Ion Ratio Lower Upper

128 100

127 12.9 10.7 16.1

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 94.115 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW031230.D

Acq: 13 Dec 2024 11:03

Tgt Ion:180 Resp: 908057

Ion Ratio Lower Upper

180 100

182 91.1 75.0 112.4

145 34.3 27.8 41.6

